

Form 605Corporations Act 2001
Section 671B**Notice of ceasing to be a substantial holder**

To Company Name/Scheme _____ Sonic Healthcare Limited _____
 ACN/ARSN _____ 004 196 909 _____

1. Details of substantial holder (1)

Name _____ Vanguard Group (The Vanguard Group, Inc. and its controlled entities including Vanguard
 Investments Australia Ltd. and those listed in Annexure A) _____
 ACN/ARSN (if applicable) _____ N/A _____

The holder ceased to be a
 substantial holder on _____ 5 November 2021 _____

The previous notice was given to the company on _____ 22 June 2018 _____

The previous notice was dated _____ 22 June 2018 _____

2. Changes in relevant interests

Particulars of each change in, or change in the nature of, a relevant interest (2) of the substantial holder or an associate (3) in voting securities of the company or scheme, since the substantial holder was last required to give a substantial holding notice to the company or scheme are as follows:

Date of change	Person whose relevant interest changed	Nature of change (4)	Consideration given in relation to change (5)	Class (6) and number of securities affected	Person's votes affected
Update to previous 605 form notice to include transactions not identified in previous notice See Annexure A					Vanguard Group now holds 4.808% of voting power

3. Changes in association

The persons who have become associates (3) of, ceased to be associates of, or have changed the nature of their association (7) with, the substantial holder in relation to voting interests in the company or scheme are as follows:

Name and ACN/ARSN (if applicable)	Nature of association
N/A	N/A

4. Addresses

The addresses of persons named in this form are as follows:

Name	Address
Vanguard Group	P.O. Box 2600, V26 Valley Forge, PA 19482 USA

Signature

print name _____ Shawn Acker _____ capacity Compliance Manager

sign here _____  _____ date 18 November 2021

To Company
ACN/ARSN

Sonic Healthcare Limited
004 196 909

Substantial Holder Name
ACN/ARSN

Vanguard Group
N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
26-Jun-2018	The Vanguard Group, Inc.	BUY	24.83	Ordinary	23,887	23,887
27-Jun-2018	The Vanguard Group, Inc.	SELL	24.96	Ordinary	(295)	(295)
27-Jun-2018	The Vanguard Group, Inc.	BUY	24.97	Ordinary	37,840	37,840
28-Jun-2018	The Vanguard Group, Inc.	BUY	24.96	Ordinary	9,552	9,552
2-Jul-2018	The Vanguard Group, Inc.	SELL	24.12	Ordinary	(11,035)	(11,035)
3-Jul-2018	The Vanguard Group, Inc.	BUY	24.70	Ordinary	65,902	65,902
3-Jul-2018	The Vanguard Group, Inc.	BUY	24.62	Ordinary	1,160	1,160
4-Jul-2018	The Vanguard Group, Inc.	BUY	24.87	Ordinary	2,853	2,853
6-Jul-2018	The Vanguard Group, Inc.	BUY	25.09	Ordinary	2,325	2,325
6-Jul-2018	The Vanguard Group, Inc.	BUY	25.15	Ordinary	2,784	2,784
10-Jul-2018	The Vanguard Group, Inc.	BUY	25.23	Ordinary	471	471
11-Jul-2018	The Vanguard Group, Inc.	BUY	25.21	Ordinary	642	642
12-Jul-2018	The Vanguard Group, Inc.	SELL	26.46	Ordinary	(6,432)	(6,432)
12-Jul-2018	The Vanguard Group, Inc.	SELL	26.50	Ordinary	(2,260)	(2,260)
12-Jul-2018	The Vanguard Group, Inc.	SELL	26.30	Ordinary	(210)	(210)
13-Jul-2018	The Vanguard Group, Inc.	BUY	26.23	Ordinary	105	105
17-Jul-2018	The Vanguard Group, Inc.	BUY	26.20	Ordinary	261	261
19-Jul-2018	The Vanguard Group, Inc.	BUY	26.49	Ordinary	2,330	2,330
20-Jul-2018	The Vanguard Group, Inc.	BUY	26.75	Ordinary	2,739	2,739
20-Jul-2018	The Vanguard Group, Inc.	BUY	26.70	Ordinary	2,320	2,320
23-Jul-2018	The Vanguard Group, Inc.	SELL	26.39	Ordinary	(1,236)	(1,236)
24-Jul-2018	The Vanguard Group, Inc.	SELL	26.03	Ordinary	(200)	(200)
25-Jul-2018	The Vanguard Group, Inc.	SELL	26.22	Ordinary	(307)	(307)
25-Jul-2018	The Vanguard Group, Inc.	SELL	26.24	Ordinary	(1,236)	(1,236)
25-Jul-2018	The Vanguard Group, Inc.	SELL	26.24	Ordinary	(6,180)	(6,180)
25-Jul-2018	The Vanguard Group, Inc.	SELL	26.24	Ordinary	(824)	(824)
27-Jul-2018	The Vanguard Group, Inc.	SELL	26.29	Ordinary	(2,146)	(2,146)
30-Jul-2018	The Vanguard Group, Inc.	SELL	26.13	Ordinary	(1,952)	(1,952)
31-Jul-2018	The Vanguard Group, Inc.	BUY	26.08	Ordinary	3,048	3,048
2-Aug-2018	The Vanguard Group, Inc.	SELL	26.48	Ordinary	(4,120)	(4,120)
3-Aug-2018	The Vanguard Group, Inc.	SELL	26.20	Ordinary	(1,288)	(1,288)
3-Aug-2018	The Vanguard Group, Inc.	BUY	26.20	Ordinary	372	372
8-Aug-2018	The Vanguard Group, Inc.	BUY	26.01	Ordinary	10,932	10,932
8-Aug-2018	The Vanguard Group, Inc.	SELL	25.76	Ordinary	(206)	(206)
10-Aug-2018	The Vanguard Group, Inc.	SELL	26.02	Ordinary	(9,888)	(9,888)
10-Aug-2018	The Vanguard Group, Inc.	SELL	26.01	Ordinary	(7,922)	(7,922)
14-Aug-2018	The Vanguard Group, Inc.	BUY	26.21	Ordinary	28,252	28,252
15-Aug-2018	The Vanguard Group, Inc.	SELL	26.69	Ordinary	(4,944)	(4,944)
15-Aug-2018	The Vanguard Group, Inc.	BUY	26.63	Ordinary	65,908	65,908
16-Aug-2018	The Vanguard Group, Inc.	BUY	26.32	Ordinary	987	987
16-Aug-2018	The Vanguard Group, Inc.	SELL	26.30	Ordinary	(8,605)	(8,605)
17-Aug-2018	The Vanguard Group, Inc.	BUY	25.64	Ordinary	33,440	33,440
17-Aug-2018	The Vanguard Group, Inc.	BUY	25.61	Ordinary	1,624	1,624
21-Aug-2018	The Vanguard Group, Inc.	BUY	25.69	Ordinary	620	620
21-Aug-2018	The Vanguard Group, Inc.	BUY	25.69	Ordinary	322	322
24-Aug-2018	The Vanguard Group, Inc.	SELL	25.64	Ordinary	(9,916)	(9,916)
24-Aug-2018	The Vanguard Group, Inc.	BUY	25.62	Ordinary	2,552	2,552
24-Aug-2018	The Vanguard Group, Inc.	BUY	25.64	Ordinary	9,916	9,916
31-Aug-2018	The Vanguard Group, Inc.	BUY	26.20	Ordinary	38,307	38,307
5-Sep-2018	The Vanguard Group, Inc.	SELL	25.88	Ordinary	(406)	(406)
6-Sep-2018	The Vanguard Group, Inc.	BUY	25.75	Ordinary	385	385
7-Sep-2018	The Vanguard Group, Inc.	BUY	25.56	Ordinary	5,489	5,489
7-Sep-2018	The Vanguard Group, Inc.	BUY	25.56	Ordinary	2,260	2,260
10-Sep-2018	The Vanguard Group, Inc.	BUY	25.71	Ordinary	754	754
11-Sep-2018	The Vanguard Group, Inc.	BUY	25.80	Ordinary	21,056	21,056
12-Sep-2018	The Vanguard Group, Inc.	SELL	25.52	Ordinary	(23,251)	(23,251)
12-Sep-2018	The Vanguard Group, Inc.	BUY	25.46	Ordinary	3,390	3,390
12-Sep-2018	The Vanguard Group, Inc.	SELL	25.50	Ordinary	(217)	(217)
17-Sep-2018	The Vanguard Group, Inc.	BUY	25.02	Ordinary	3,323	3,323
18-Sep-2018	The Vanguard Group, Inc.	BUY	25.48	Ordinary	431	431
21-Sep-2018	The Vanguard Group, Inc.	SELL	25.29	Ordinary	(9,549)	(9,549)
21-Sep-2018	The Vanguard Group, Inc.	SELL	25.29	Ordinary	(4,253)	(4,253)

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
26-Sep-2018	The Vanguard Group, Inc.	BUY	25.29	Ordinary	392	392
26-Sep-2018	The Vanguard Group, Inc.	BUY	25.25	Ordinary	2,372	2,372
26-Sep-2018	The Vanguard Group, Inc.	BUY	25.25	Ordinary	5,930	5,930
26-Sep-2018	The Vanguard Group, Inc.	BUY	25.25	Ordinary	4,744	4,744
26-Sep-2018	The Vanguard Group, Inc.	SELL	25.45	Ordinary	(2,790)	(2,790)
27-Sep-2018	The Vanguard Group, Inc.	BUY	25.35	Ordinary	8,697	8,697
1-Oct-2018	The Vanguard Group, Inc.	BUY	24.76	Ordinary	3,558	3,558
2-Oct-2018	The Vanguard Group, Inc.	BUY	25.11	Ordinary	82,256	82,256
2-Oct-2018	The Vanguard Group, Inc.	BUY	25.05	Ordinary	9,488	9,488
2-Oct-2018	The Vanguard Group, Inc.	SELL	25.05	Ordinary	(1,545)	(1,545)
3-Oct-2018	The Vanguard Group, Inc.	BUY	25.39	Ordinary	3,558	3,558
3-Oct-2018	The Vanguard Group, Inc.	BUY	25.39	Ordinary	2,850	2,850
9-Oct-2018	The Vanguard Group, Inc.	BUY	24.67	Ordinary	8,075	8,075
11-Oct-2018	The Vanguard Group, Inc.	BUY	23.82	Ordinary	2,610	2,610
15-Oct-2018	The Vanguard Group, Inc.	BUY	23.38	Ordinary	4,350	4,350
16-Oct-2018	The Vanguard Group, Inc.	SELL	23.38	Ordinary	(235)	(235)
18-Oct-2018	The Vanguard Group, Inc.	SELL	23.81	Ordinary	(261)	(261)
19-Oct-2018	The Vanguard Group, Inc.	BUY	23.54	Ordinary	2,610	2,610
19-Oct-2018	The Vanguard Group, Inc.	BUY	23.54	Ordinary	3,558	3,558
23-Oct-2018	The Vanguard Group, Inc.	BUY	23.34	Ordinary	2,519	2,519
24-Oct-2018	The Vanguard Group, Inc.	BUY	23.61	Ordinary	53,664	53,664
25-Oct-2018	The Vanguard Group, Inc.	BUY	22.89	Ordinary	2,965	2,965
26-Oct-2018	The Vanguard Group, Inc.	BUY	22.27	Ordinary	672	672
26-Oct-2018	The Vanguard Group, Inc.	BUY	22.27	Ordinary	1,497	1,497
26-Oct-2018	The Vanguard Group, Inc.	BUY	22.35	Ordinary	34,462	34,462
26-Oct-2018	The Vanguard Group, Inc.	BUY	22.27	Ordinary	15,851	15,851
26-Oct-2018	The Vanguard Group, Inc.	BUY	22.35	Ordinary	735	735
30-Oct-2018	The Vanguard Group, Inc.	BUY	22.57	Ordinary	5,969	5,969
31-Oct-2018	The Vanguard Group, Inc.	SELL	22.55	Ordinary	(8,659)	(8,659)
31-Oct-2018	The Vanguard Group, Inc.	BUY	22.60	Ordinary	4,151	4,151
1-Nov-2018	The Vanguard Group, Inc.	SELL	22.66	Ordinary	(26,429)	(26,429)
1-Nov-2018	The Vanguard Group, Inc.	BUY	22.57	Ordinary	31,209	31,209
1-Nov-2018	The Vanguard Group, Inc.	BUY	22.63	Ordinary	5,930	5,930
2-Nov-2018	The Vanguard Group, Inc.	SELL	22.71	Ordinary	(9,069)	(9,069)
5-Nov-2018	The Vanguard Group, Inc.	SELL	22.52	Ordinary	(3,033)	(3,033)
7-Nov-2018	The Vanguard Group, Inc.	BUY	22.45	Ordinary	4,744	4,744
9-Nov-2018	The Vanguard Group, Inc.	SELL	22.49	Ordinary	(832)	(832)
9-Nov-2018	The Vanguard Group, Inc.	BUY	22.49	Ordinary	1,213	1,213
12-Nov-2018	The Vanguard Group, Inc.	BUY	22.52	Ordinary	3,558	3,558
13-Nov-2018	The Vanguard Group, Inc.	BUY	22.40	Ordinary	878	878
13-Nov-2018	The Vanguard Group, Inc.	BUY	22.21	Ordinary	1,656	1,656
14-Nov-2018	The Vanguard Group, Inc.	BUY	21.58	Ordinary	4,744	4,744
14-Nov-2018	The Vanguard Group, Inc.	BUY	21.58	Ordinary	3,558	3,558
15-Nov-2018	The Vanguard Group, Inc.	BUY	21.71	Ordinary	2,189	2,189
15-Nov-2018	The Vanguard Group, Inc.	BUY	21.61	Ordinary	33,830	33,830
15-Nov-2018	The Vanguard Group, Inc.	BUY	21.68	Ordinary	3,296	3,296
15-Nov-2018	The Vanguard Group, Inc.	BUY	21.68	Ordinary	618	618
21-Nov-2018	The Vanguard Group, Inc.	BUY	22.40	Ordinary	4,744	4,744
26-Nov-2018	The Vanguard Group, Inc.	SELL	23.03	Ordinary	(5,124)	(5,124)
27-Nov-2018	The Vanguard Group, Inc.	BUY	23.08	Ordinary	2,997	2,997
28-Nov-2018	The Vanguard Group, Inc.	BUY	23.30	Ordinary	435	435
28-Nov-2018	The Vanguard Group, Inc.	BUY	23.30	Ordinary	2,610	2,610
28-Nov-2018	The Vanguard Group, Inc.	BUY	23.30	Ordinary	2,965	2,965
28-Nov-2018	The Vanguard Group, Inc.	BUY	23.30	Ordinary	3,325	3,325
29-Nov-2018	The Vanguard Group, Inc.	SELL	23.28	Ordinary	(3,664)	(3,664)
30-Nov-2018	The Vanguard Group, Inc.	SELL	22.79	Ordinary	(9,584)	(9,584)
30-Nov-2018	The Vanguard Group, Inc.	BUY	22.88	Ordinary	321	321
3-Dec-2018	The Vanguard Group, Inc.	BUY	23.04	Ordinary	2,419	2,419
3-Dec-2018	The Vanguard Group, Inc.	BUY	22.62	Ordinary	642	642
4-Dec-2018	The Vanguard Group, Inc.	BUY	22.46	Ordinary	4,084	4,084
4-Dec-2018	The Vanguard Group, Inc.	BUY	22.28	Ordinary	3,296	3,296
4-Dec-2018	The Vanguard Group, Inc.	BUY	22.28	Ordinary	4,744	4,744
5-Dec-2018	The Vanguard Group, Inc.	BUY	22.55	Ordinary	2,018	2,018
5-Dec-2018	The Vanguard Group, Inc.	BUY	22.49	Ordinary	57,750	57,750
6-Dec-2018	The Vanguard Group, Inc.	BUY	22.39	Ordinary	2,725	2,725
6-Dec-2018	The Vanguard Group, Inc.	SELL	22.39	Ordinary	(438)	(438)
6-Dec-2018	The Vanguard Group, Inc.	BUY	22.46	Ordinary	2,472	2,472
7-Dec-2018	The Vanguard Group, Inc.	BUY	22.10	Ordinary	4,151	4,151

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
7-Dec-2018	The Vanguard Group, Inc.	BUY	22.10	Ordinary	4,744	4,744
10-Dec-2018	The Vanguard Group, Inc.	BUY	21.64	Ordinary	2,164	2,164
10-Dec-2018	The Vanguard Group, Inc.	BUY	21.91	Ordinary	12,382	12,382
11-Dec-2018	The Vanguard Group, Inc.	BUY	21.37	Ordinary	4,744	4,744
11-Dec-2018	The Vanguard Group, Inc.	BUY	21.37	Ordinary	3,558	3,558
12-Dec-2018	The Vanguard Group, Inc.	BUY	21.41	Ordinary	10,081	10,081
13-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	1,544	1,544
13-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	4,302	4,302
13-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	1,011	1,011
13-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	264	264
13-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	7,949	7,949
13-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	53,901	53,901
13-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	315	315
13-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	31,614	31,614
13-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	464,670	464,670
13-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	180,641	180,641
13-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	9,303	9,303
13-Dec-2018	The Vanguard Group, Inc.	BUY	21.78	Ordinary	3,325	3,325
13-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	54,093	54,093
13-Dec-2018	The Vanguard Group, Inc.	BUY	21.78	Ordinary	618	618
13-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	3,457	3,457
13-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	153	153
14-Dec-2018	The Vanguard Group, Inc.	SELL	22.38	Ordinary	(280)	(280)
14-Dec-2018	The Vanguard Group, Inc.	BUY	22.28	Ordinary	3,558	3,558
14-Dec-2018	The Vanguard Group, Inc.	BUY	22.28	Ordinary	1,425	1,425
17-Dec-2018	The Vanguard Group, Inc.	BUY	22.47	Ordinary	7,116	7,116
17-Dec-2018	The Vanguard Group, Inc.	BUY	22.47	Ordinary	4,750	4,750
18-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	362	362
18-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	940	940
18-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	46	46
18-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	23	23
18-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	1,058	1,058
18-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	5,224	5,224
18-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	78	78
18-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	814	814
18-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	230	230
18-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	612	612
18-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	2,111	2,111
18-Dec-2018	The Vanguard Group, Inc.	BUY	19.50	Ordinary	15,101	15,101
20-Dec-2018	The Vanguard Group, Inc.	BUY	21.76	Ordinary	3,427	3,427
20-Dec-2018	The Vanguard Group, Inc.	BUY	21.66	Ordinary	4,744	4,744
20-Dec-2018	The Vanguard Group, Inc.	SELL	21.76	Ordinary	(6,374)	(6,374)
20-Dec-2018	The Vanguard Group, Inc.	SELL	21.76	Ordinary	(16,114)	(16,114)
21-Dec-2018	The Vanguard Group, Inc.	BUY	21.69	Ordinary	388	388
21-Dec-2018	The Vanguard Group, Inc.	SELL	21.67	Ordinary	(441)	(441)
21-Dec-2018	The Vanguard Group, Inc.	BUY	21.69	Ordinary	64	64
21-Dec-2018	The Vanguard Group, Inc.	SELL	21.67	Ordinary	(351)	(351)
24-Dec-2018	The Vanguard Group, Inc.	BUY	21.52	Ordinary	5,180	5,180
24-Dec-2018	The Vanguard Group, Inc.	BUY	21.52	Ordinary	8,288	8,288
26-Dec-2018	The Vanguard Group, Inc.	BUY	21.89	Ordinary	3,108	3,108
27-Dec-2018	The Vanguard Group, Inc.	BUY	22.39	Ordinary	1,710	1,710
27-Dec-2018	The Vanguard Group, Inc.	BUY	22.39	Ordinary	1,554	1,554
27-Dec-2018	The Vanguard Group, Inc.	BUY	22.39	Ordinary	7,770	7,770
27-Dec-2018	The Vanguard Group, Inc.	BUY	22.39	Ordinary	2,590	2,590
27-Dec-2018	The Vanguard Group, Inc.	BUY	22.39	Ordinary	532	532
28-Dec-2018	The Vanguard Group, Inc.	BUY	22.36	Ordinary	20,630	20,630
31-Dec-2018	The Vanguard Group, Inc.	BUY	22.15	Ordinary	8,208	8,208
2-Jan-2019	The Vanguard Group, Inc.	BUY	21.80	Ordinary	2,795	2,795
2-Jan-2019	The Vanguard Group, Inc.	BUY	21.88	Ordinary	2,394	2,394
2-Jan-2019	The Vanguard Group, Inc.	BUY	21.88	Ordinary	6,156	6,156
2-Jan-2019	The Vanguard Group, Inc.	BUY	22.01	Ordinary	507	507
2-Jan-2019	The Vanguard Group, Inc.	BUY	21.88	Ordinary	3,108	3,108
2-Jan-2019	The Vanguard Group, Inc.	BUY	21.88	Ordinary	3,626	3,626
2-Jan-2019	The Vanguard Group, Inc.	BUY	21.88	Ordinary	614	614
3-Jan-2019	The Vanguard Group, Inc.	BUY	22.11	Ordinary	1,633	1,633
3-Jan-2019	The Vanguard Group, Inc.	BUY	21.42	Ordinary	2,590	2,590
3-Jan-2019	The Vanguard Group, Inc.	BUY	21.42	Ordinary	614	614
4-Jan-2019	The Vanguard Group, Inc.	BUY	21.90	Ordinary	686	686

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
4-Jan-2019	The Vanguard Group, Inc.	BUY	21.62	Ordinary	17,749	17,749
7-Jan-2019	The Vanguard Group, Inc.	BUY	21.61	Ordinary	1,036	1,036
8-Jan-2019	The Vanguard Group, Inc.	BUY	21.95	Ordinary	1,036	1,036
8-Jan-2019	The Vanguard Group, Inc.	BUY	21.95	Ordinary	1,226	1,226
8-Jan-2019	The Vanguard Group, Inc.	SELL	21.64	Ordinary	(255)	(255)
8-Jan-2019	The Vanguard Group, Inc.	BUY	21.96	Ordinary	1,330	1,330
8-Jan-2019	The Vanguard Group, Inc.	SELL	21.87	Ordinary	(10,783)	(10,783)
9-Jan-2019	The Vanguard Group, Inc.	SELL	21.93	Ordinary	(6,386)	(6,386)
10-Jan-2019	The Vanguard Group, Inc.	BUY	21.90	Ordinary	2,233	2,233
10-Jan-2019	The Vanguard Group, Inc.	BUY	21.97	Ordinary	5,472	5,472
10-Jan-2019	The Vanguard Group, Inc.	BUY	21.97	Ordinary	1,228	1,228
11-Jan-2019	The Vanguard Group, Inc.	BUY	22.00	Ordinary	2,052	2,052
11-Jan-2019	The Vanguard Group, Inc.	BUY	22.00	Ordinary	532	532
15-Jan-2019	The Vanguard Group, Inc.	SELL	21.74	Ordinary	(6,373)	(6,373)
16-Jan-2019	The Vanguard Group, Inc.	BUY	21.94	Ordinary	4,080	4,080
17-Jan-2019	The Vanguard Group, Inc.	BUY	22.46	Ordinary	532	532
17-Jan-2019	The Vanguard Group, Inc.	SELL	22.46	Ordinary	(3,401)	(3,401)
17-Jan-2019	The Vanguard Group, Inc.	SELL	22.30	Ordinary	(6,384)	(6,384)
17-Jan-2019	The Vanguard Group, Inc.	SELL	22.51	Ordinary	(3,360)	(3,360)
18-Jan-2019	The Vanguard Group, Inc.	SELL	22.69	Ordinary	(1,563)	(1,563)
18-Jan-2019	The Vanguard Group, Inc.	SELL	22.60	Ordinary	(248)	(248)
22-Jan-2019	The Vanguard Group, Inc.	BUY	22.78	Ordinary	104	104
22-Jan-2019	The Vanguard Group, Inc.	SELL	22.75	Ordinary	(3,360)	(3,360)
23-Jan-2019	The Vanguard Group, Inc.	BUY	22.88	Ordinary	525	525
23-Jan-2019	The Vanguard Group, Inc.	SELL	22.87	Ordinary	(7,280)	(7,280)
24-Jan-2019	The Vanguard Group, Inc.	BUY	22.77	Ordinary	6,825	6,825
24-Jan-2019	The Vanguard Group, Inc.	SELL	22.80	Ordinary	(7,280)	(7,280)
25-Jan-2019	The Vanguard Group, Inc.	BUY	23.03	Ordinary	386	386
28-Jan-2019	The Vanguard Group, Inc.	SELL	22.97	Ordinary	(3,108)	(3,108)
29-Jan-2019	The Vanguard Group, Inc.	SELL	23.10	Ordinary	(4,480)	(4,480)
29-Jan-2019	The Vanguard Group, Inc.	SELL	23.10	Ordinary	(10,640)	(10,640)
29-Jan-2019	The Vanguard Group, Inc.	SELL	23.10	Ordinary	(4,480)	(4,480)
29-Jan-2019	The Vanguard Group, Inc.	SELL	23.10	Ordinary	(2,072)	(2,072)
30-Jan-2019	The Vanguard Group, Inc.	BUY	22.92	Ordinary	11,962	11,962
30-Jan-2019	The Vanguard Group, Inc.	BUY	22.97	Ordinary	2,394	2,394
30-Jan-2019	The Vanguard Group, Inc.	SELL	22.97	Ordinary	(3,108)	(3,108)
31-Jan-2019	The Vanguard Group, Inc.	BUY	23.02	Ordinary	261	261
31-Jan-2019	The Vanguard Group, Inc.	SELL	23.08	Ordinary	(8,806)	(8,806)
5-Feb-2019	The Vanguard Group, Inc.	BUY	23.18	Ordinary	3,762	3,762
7-Feb-2019	The Vanguard Group, Inc.	SELL	23.49	Ordinary	(631)	(631)
7-Feb-2019	The Vanguard Group, Inc.	SELL	23.62	Ordinary	(3,560)	(3,560)
7-Feb-2019	The Vanguard Group, Inc.	BUY	23.62	Ordinary	6,840	6,840
7-Feb-2019	The Vanguard Group, Inc.	SELL	23.62	Ordinary	(2,072)	(2,072)
7-Feb-2019	The Vanguard Group, Inc.	SELL	23.62	Ordinary	(2,072)	(2,072)
7-Feb-2019	The Vanguard Group, Inc.	BUY	23.60	Ordinary	53,264	53,264
8-Feb-2019	The Vanguard Group, Inc.	BUY	23.69	Ordinary	5,469	5,469
8-Feb-2019	The Vanguard Group, Inc.	BUY	23.94	Ordinary	13,305	13,305
8-Feb-2019	The Vanguard Group, Inc.	SELL	23.72	Ordinary	(6,734)	(6,734)
11-Feb-2019	The Vanguard Group, Inc.	BUY	23.50	Ordinary	8,650	8,650
11-Feb-2019	The Vanguard Group, Inc.	SELL	23.54	Ordinary	(4,662)	(4,662)
12-Feb-2019	The Vanguard Group, Inc.	SELL	23.51	Ordinary	(22,536)	(22,536)
13-Feb-2019	The Vanguard Group, Inc.	SELL	23.69	Ordinary	(3,108)	(3,108)
15-Feb-2019	The Vanguard Group, Inc.	SELL	23.69	Ordinary	(183)	(183)
18-Feb-2019	The Vanguard Group, Inc.	BUY	23.65	Ordinary	1,535	1,535
20-Feb-2019	The Vanguard Group, Inc.	BUY	24.30	Ordinary	7,417	7,417
20-Feb-2019	The Vanguard Group, Inc.	BUY	24.12	Ordinary	44,479	44,479
20-Feb-2019	The Vanguard Group, Inc.	SELL	24.30	Ordinary	(5,961)	(5,961)
21-Feb-2019	The Vanguard Group, Inc.	SELL	24.62	Ordinary	(2,590)	(2,590)
22-Feb-2019	The Vanguard Group, Inc.	BUY	24.51	Ordinary	299	299
22-Feb-2019	The Vanguard Group, Inc.	BUY	24.51	Ordinary	11,486	11,486
26-Feb-2019	The Vanguard Group, Inc.	BUY	23.78	Ordinary	2,800	2,800
27-Feb-2019	The Vanguard Group, Inc.	BUY	24.00	Ordinary	261	261
27-Feb-2019	The Vanguard Group, Inc.	BUY	24.03	Ordinary	614	614
28-Feb-2019	The Vanguard Group, Inc.	SELL	24.12	Ordinary	(5,810)	(5,810)
1-Mar-2019	The Vanguard Group, Inc.	BUY	24.14	Ordinary	395	395
1-Mar-2019	The Vanguard Group, Inc.	BUY	24.14	Ordinary	1,049	1,049
1-Mar-2019	The Vanguard Group, Inc.	SELL	24.14	Ordinary	(7,388)	(7,388)
4-Mar-2019	The Vanguard Group, Inc.	SELL	24.13	Ordinary	(1,517)	(1,517)

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
4-Mar-2019	The Vanguard Group, Inc.	BUY	24.13	Ordinary	11,655	11,655
4-Mar-2019	The Vanguard Group, Inc.	SELL	24.13	Ordinary	(8,631)	(8,631)
5-Mar-2019	The Vanguard Group, Inc.	SELL	24.25	Ordinary	(2,626)	(2,626)
5-Mar-2019	The Vanguard Group, Inc.	BUY	24.25	Ordinary	3,360	3,360
6-Mar-2019	The Vanguard Group, Inc.	BUY	24.32	Ordinary	386	386
8-Mar-2019	The Vanguard Group, Inc.	BUY	24.09	Ordinary	1,041	1,041
8-Mar-2019	The Vanguard Group, Inc.	BUY	24.06	Ordinary	2,800	2,800
11-Mar-2019	The Vanguard Group, Inc.	BUY	24.09	Ordinary	261	261
12-Mar-2019	The Vanguard Group, Inc.	SELL	24.15	Ordinary	(1,472)	(1,472)
12-Mar-2019	The Vanguard Group, Inc.	BUY	24.20	Ordinary	74,430	74,430
12-Mar-2019	The Vanguard Group, Inc.	BUY	24.23	Ordinary	1,745	1,745
13-Mar-2019	The Vanguard Group, Inc.	BUY	24.29	Ordinary	58,732	58,732
14-Mar-2019	The Vanguard Group, Inc.	SELL	24.41	Ordinary	(5,848)	(5,848)
15-Mar-2019	The Vanguard Group, Inc.	SELL	24.52	Ordinary	(1,062)	(1,062)
15-Mar-2019	The Vanguard Group, Inc.	SELL	24.52	Ordinary	(901)	(901)
15-Mar-2019	The Vanguard Group, Inc.	BUY	24.53	Ordinary	1,997	1,997
15-Mar-2019	The Vanguard Group, Inc.	BUY	24.52	Ordinary	101	101
18-Mar-2019	The Vanguard Group, Inc.	BUY	24.43	Ordinary	4,788	4,788
19-Mar-2019	The Vanguard Group, Inc.	BUY	24.24	Ordinary	3,520	3,520
19-Mar-2019	The Vanguard Group, Inc.	BUY	24.24	Ordinary	121	121
20-Mar-2019	The Vanguard Group, Inc.	BUY	24.56	Ordinary	1,680	1,680
22-Mar-2019	The Vanguard Group, Inc.	BUY	24.76	Ordinary	5,958	5,958
27-Mar-2019	The Vanguard Group, Inc.	SELL	24.30	Ordinary	(228)	(228)
27-Mar-2019	The Vanguard Group, Inc.	BUY	24.15	Ordinary	714	714
28-Mar-2019	The Vanguard Group, Inc.	SELL	24.29	Ordinary	(1,439)	(1,439)
29-Mar-2019	The Vanguard Group, Inc.	BUY	24.56	Ordinary	261	261
29-Mar-2019	The Vanguard Group, Inc.	SELL	24.56	Ordinary	(5,704)	(5,704)
29-Mar-2019	The Vanguard Group, Inc.	BUY	24.49	Ordinary	2,636	2,636
29-Mar-2019	The Vanguard Group, Inc.	BUY	24.56	Ordinary	38,571	38,571
1-Apr-2019	The Vanguard Group, Inc.	BUY	24.70	Ordinary	2,240	2,240
1-Apr-2019	The Vanguard Group, Inc.	BUY	24.70	Ordinary	714	714
2-Apr-2019	The Vanguard Group, Inc.	BUY	24.49	Ordinary	1,639	1,639
2-Apr-2019	The Vanguard Group, Inc.	BUY	24.71	Ordinary	321	321
3-Apr-2019	The Vanguard Group, Inc.	BUY	24.72	Ordinary	28,675	28,675
4-Apr-2019	The Vanguard Group, Inc.	BUY	24.72	Ordinary	874	874
4-Apr-2019	The Vanguard Group, Inc.	SELL	24.72	Ordinary	(3,315)	(3,315)
5-Apr-2019	The Vanguard Group, Inc.	BUY	24.59	Ordinary	6,840	6,840
5-Apr-2019	The Vanguard Group, Inc.	BUY	24.59	Ordinary	714	714
8-Apr-2019	The Vanguard Group, Inc.	BUY	24.87	Ordinary	714	714
9-Apr-2019	The Vanguard Group, Inc.	SELL	24.74	Ordinary	(2,576)	(2,576)
10-Apr-2019	The Vanguard Group, Inc.	BUY	24.76	Ordinary	2,730	2,730
10-Apr-2019	The Vanguard Group, Inc.	BUY	24.76	Ordinary	10,425	10,425
16-Apr-2019	The Vanguard Group, Inc.	BUY	24.86	Ordinary	261	261
16-Apr-2019	The Vanguard Group, Inc.	BUY	24.86	Ordinary	6,905	6,905
16-Apr-2019	The Vanguard Group, Inc.	BUY	24.76	Ordinary	28,688	28,688
16-Apr-2019	The Vanguard Group, Inc.	BUY	24.79	Ordinary	38,343	38,343
16-Apr-2019	The Vanguard Group, Inc.	BUY	24.78	Ordinary	386	386
17-Apr-2019	The Vanguard Group, Inc.	BUY	24.80	Ordinary	812	812
18-Apr-2019	The Vanguard Group, Inc.	BUY	24.41	Ordinary	5,531	5,531
18-Apr-2019	The Vanguard Group, Inc.	SELL	24.47	Ordinary	(188,547)	(188,547)
18-Apr-2019	The Vanguard Group, Inc.	BUY	24.47	Ordinary	188,547	188,547
23-Apr-2019	The Vanguard Group, Inc.	SELL	24.60	Ordinary	(2,350)	(2,350)
23-Apr-2019	The Vanguard Group, Inc.	BUY	24.69	Ordinary	6,156	6,156
24-Apr-2019	The Vanguard Group, Inc.	BUY	25.48	Ordinary	545	545
24-Apr-2019	The Vanguard Group, Inc.	BUY	25.24	Ordinary	36,029	36,029
24-Apr-2019	The Vanguard Group, Inc.	SELL	25.48	Ordinary	(5,743)	(5,743)
26-Apr-2019	The Vanguard Group, Inc.	BUY	25.75	Ordinary	1,848	1,848
26-Apr-2019	The Vanguard Group, Inc.	BUY	25.76	Ordinary	2,800	2,800
26-Apr-2019	The Vanguard Group, Inc.	SELL	25.75	Ordinary	(98)	(98)
30-Apr-2019	The Vanguard Group, Inc.	BUY	25.65	Ordinary	579	579
3-May-2019	The Vanguard Group, Inc.	BUY	26.29	Ordinary	874	874
3-May-2019	The Vanguard Group, Inc.	BUY	26.26	Ordinary	518	518
6-May-2019	The Vanguard Group, Inc.	SELL	26.34	Ordinary	(2,670)	(2,670)
7-May-2019	The Vanguard Group, Inc.	BUY	26.38	Ordinary	874	874
7-May-2019	The Vanguard Group, Inc.	BUY	26.40	Ordinary	1,685	1,685
7-May-2019	The Vanguard Group, Inc.	BUY	26.27	Ordinary	3,400	3,400
7-May-2019	The Vanguard Group, Inc.	BUY	26.40	Ordinary	11,131	11,131
8-May-2019	The Vanguard Group, Inc.	SELL	26.25	Ordinary	(2,670)	(2,670)

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8-May-2019	The Vanguard Group, Inc.	BUY	26.25	Ordinary	579	579
9-May-2019	The Vanguard Group, Inc.	BUY	26.23	Ordinary	27,222	27,222
9-May-2019	The Vanguard Group, Inc.	BUY	26.25	Ordinary	3,360	3,360
9-May-2019	The Vanguard Group, Inc.	BUY	26.25	Ordinary	726	726
10-May-2019	The Vanguard Group, Inc.	SELL	26.31	Ordinary	(7,023)	(7,023)
10-May-2019	The Vanguard Group, Inc.	BUY	26.31	Ordinary	535	535
10-May-2019	The Vanguard Group, Inc.	BUY	26.29	Ordinary	11,689	11,689
14-May-2019	The Vanguard Group, Inc.	BUY	26.14	Ordinary	261	261
14-May-2019	The Vanguard Group, Inc.	SELL	26.24	Ordinary	(2,670)	(2,670)
14-May-2019	The Vanguard Group, Inc.	BUY	26.24	Ordinary	2,072	2,072
14-May-2019	The Vanguard Group, Inc.	BUY	26.24	Ordinary	363	363
15-May-2019	The Vanguard Group, Inc.	BUY	26.30	Ordinary	5,725	5,725
16-May-2019	The Vanguard Group, Inc.	BUY	26.32	Ordinary	67,585	67,585
20-May-2019	The Vanguard Group, Inc.	BUY	26.27	Ordinary	3,400	3,400
21-May-2019	The Vanguard Group, Inc.	BUY	26.39	Ordinary	456	456
21-May-2019	The Vanguard Group, Inc.	BUY	26.39	Ordinary	1,994	1,994
22-May-2019	The Vanguard Group, Inc.	BUY	26.47	Ordinary	2,085	2,085
22-May-2019	The Vanguard Group, Inc.	BUY	26.46	Ordinary	51,903	51,903
23-May-2019	The Vanguard Group, Inc.	BUY	26.14	Ordinary	2,437	2,437
23-May-2019	The Vanguard Group, Inc.	BUY	26.14	Ordinary	1,380	1,380
24-May-2019	The Vanguard Group, Inc.	BUY	26.13	Ordinary	607	607
27-May-2019	The Vanguard Group, Inc.	BUY	26.24	Ordinary	568	568
28-May-2019	The Vanguard Group, Inc.	BUY	26.44	Ordinary	34,903	34,903
28-May-2019	The Vanguard Group, Inc.	BUY	26.33	Ordinary	2,800	2,800
28-May-2019	The Vanguard Group, Inc.	BUY	26.44	Ordinary	5,555	5,555
29-May-2019	The Vanguard Group, Inc.	SELL	26.21	Ordinary	(303)	(303)
29-May-2019	The Vanguard Group, Inc.	BUY	26.26	Ordinary	1,744	1,744
31-May-2019	The Vanguard Group, Inc.	SELL	26.15	Ordinary	(12,469)	(12,469)
31-May-2019	The Vanguard Group, Inc.	BUY	26.15	Ordinary	663	663
3-Jun-2019	The Vanguard Group, Inc.	BUY	26.04	Ordinary	2,580	2,580
4-Jun-2019	The Vanguard Group, Inc.	BUY	25.60	Ordinary	3,730	3,730
5-Jun-2019	The Vanguard Group, Inc.	SELL	25.68	Ordinary	(874)	(874)
5-Jun-2019	The Vanguard Group, Inc.	SELL	25.76	Ordinary	(3,560)	(3,560)
5-Jun-2019	The Vanguard Group, Inc.	SELL	25.76	Ordinary	(1,780)	(1,780)
6-Jun-2019	The Vanguard Group, Inc.	BUY	26.12	Ordinary	261	261
6-Jun-2019	The Vanguard Group, Inc.	SELL	26.12	Ordinary	(14,321)	(14,321)
6-Jun-2019	The Vanguard Group, Inc.	BUY	26.13	Ordinary	97,488	97,488
6-Jun-2019	The Vanguard Group, Inc.	BUY	26.17	Ordinary	726	726
7-Jun-2019	The Vanguard Group, Inc.	BUY	26.48	Ordinary	37,825	37,825
7-Jun-2019	The Vanguard Group, Inc.	BUY	26.48	Ordinary	116	116
7-Jun-2019	The Vanguard Group, Inc.	BUY	26.43	Ordinary	94,804	94,804
7-Jun-2019	The Vanguard Group, Inc.	BUY	26.51	Ordinary	726	726
7-Jun-2019	The Vanguard Group, Inc.	BUY	26.51	Ordinary	386	386
10-Jun-2019	The Vanguard Group, Inc.	BUY	26.61	Ordinary	3,096	3,096
10-Jun-2019	The Vanguard Group, Inc.	BUY	26.61	Ordinary	579	579
11-Jun-2019	The Vanguard Group, Inc.	SELL	27.03	Ordinary	(2,225)	(2,225)
11-Jun-2019	The Vanguard Group, Inc.	BUY	26.94	Ordinary	41,130	41,130
12-Jun-2019	The Vanguard Group, Inc.	SELL	27.10	Ordinary	(29,764)	(29,764)
12-Jun-2019	The Vanguard Group, Inc.	BUY	27.10	Ordinary	316	316
12-Jun-2019	The Vanguard Group, Inc.	BUY	27.08	Ordinary	26,546	26,546
12-Jun-2019	The Vanguard Group, Inc.	BUY	27.12	Ordinary	3,096	3,096
13-Jun-2019	The Vanguard Group, Inc.	BUY	27.46	Ordinary	1,032	1,032
13-Jun-2019	The Vanguard Group, Inc.	SELL	27.46	Ordinary	(19,656)	(19,656)
14-Jun-2019	The Vanguard Group, Inc.	SELL	27.53	Ordinary	(1,335)	(1,335)
14-Jun-2019	The Vanguard Group, Inc.	BUY	27.53	Ordinary	386	386
14-Jun-2019	The Vanguard Group, Inc.	BUY	27.53	Ordinary	386	386
14-Jun-2019	The Vanguard Group, Inc.	SELL	27.49	Ordinary	(13,037)	(13,037)
17-Jun-2019	The Vanguard Group, Inc.	BUY	27.06	Ordinary	261	261
17-Jun-2019	The Vanguard Group, Inc.	SELL	27.06	Ordinary	(3,744)	(3,744)
18-Jun-2019	The Vanguard Group, Inc.	BUY	27.26	Ordinary	27,061	27,061
18-Jun-2019	The Vanguard Group, Inc.	BUY	27.13	Ordinary	308	308
19-Jun-2019	The Vanguard Group, Inc.	BUY	27.37	Ordinary	19,664	19,664
20-Jun-2019	The Vanguard Group, Inc.	BUY	27.85	Ordinary	2,580	2,580
21-Jun-2019	The Vanguard Group, Inc.	BUY	27.68	Ordinary	2,125	2,125
21-Jun-2019	The Vanguard Group, Inc.	BUY	27.85	Ordinary	2	2
21-Jun-2019	The Vanguard Group, Inc.	BUY	27.64	Ordinary	145	145
21-Jun-2019	The Vanguard Group, Inc.	BUY	27.64	Ordinary	1,050	1,050
21-Jun-2019	The Vanguard Group, Inc.	BUY	27.68	Ordinary	54	54

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21-Jun-2019	The Vanguard Group, Inc.	BUY	27.85	Ordinary	16	16
21-Jun-2019	The Vanguard Group, Inc.	BUY	27.68	Ordinary	17,544	17,544
21-Jun-2019	The Vanguard Group, Inc.	BUY	27.66	Ordinary	1,290	1,290
21-Jun-2019	The Vanguard Group, Inc.	BUY	27.68	Ordinary	119,135	119,135
21-Jun-2019	The Vanguard Group, Inc.	BUY	27.85	Ordinary	112	112
24-Jun-2019	The Vanguard Group, Inc.	BUY	27.49	Ordinary	3,936	3,936
25-Jun-2019	The Vanguard Group, Inc.	BUY	27.50	Ordinary	1,046	1,046
25-Jun-2019	The Vanguard Group, Inc.	SELL	27.41	Ordinary	(1,335)	(1,335)
25-Jun-2019	The Vanguard Group, Inc.	BUY	27.63	Ordinary	26,113	26,113
25-Jun-2019	The Vanguard Group, Inc.	BUY	27.41	Ordinary	1,548	1,548
25-Jun-2019	The Vanguard Group, Inc.	BUY	27.41	Ordinary	2,322	2,322
26-Jun-2019	The Vanguard Group, Inc.	BUY	27.34	Ordinary	874	874
26-Jun-2019	The Vanguard Group, Inc.	BUY	27.34	Ordinary	1,075	1,075
26-Jun-2019	The Vanguard Group, Inc.	BUY	27.28	Ordinary	1,806	1,806
26-Jun-2019	The Vanguard Group, Inc.	BUY	27.28	Ordinary	3,096	3,096
26-Jun-2019	The Vanguard Group, Inc.	BUY	27.47	Ordinary	10,454	10,454
26-Jun-2019	The Vanguard Group, Inc.	BUY	27.40	Ordinary	60,840	60,840
27-Jun-2019	The Vanguard Group, Inc.	SELL	27.25	Ordinary	(256)	(256)
28-Jun-2019	The Vanguard Group, Inc.	BUY	27.10	Ordinary	26,199	26,199
28-Jun-2019	The Vanguard Group, Inc.	BUY	27.14	Ordinary	1,930	1,930
1-Jul-2019	The Vanguard Group, Inc.	BUY	27.33	Ordinary	1,111	1,111
1-Jul-2019	The Vanguard Group, Inc.	BUY	27.15	Ordinary	386	386
2-Jul-2019	The Vanguard Group, Inc.	BUY	27.24	Ordinary	8,420	8,420
2-Jul-2019	The Vanguard Group, Inc.	BUY	27.32	Ordinary	10,367	10,367
2-Jul-2019	The Vanguard Group, Inc.	BUY	27.26	Ordinary	2,322	2,322
4-Jul-2019	The Vanguard Group, Inc.	BUY	27.36	Ordinary	4,012	4,012
5-Jul-2019	The Vanguard Group, Inc.	BUY	27.69	Ordinary	2,240	2,240
9-Jul-2019	The Vanguard Group, Inc.	BUY	27.42	Ordinary	261	261
9-Jul-2019	The Vanguard Group, Inc.	BUY	27.51	Ordinary	2,580	2,580
10-Jul-2019	The Vanguard Group, Inc.	BUY	27.57	Ordinary	1,396	1,396
12-Jul-2019	The Vanguard Group, Inc.	SELL	27.62	Ordinary	(6,837)	(6,837)
12-Jul-2019	The Vanguard Group, Inc.	BUY	27.65	Ordinary	1,652	1,652
12-Jul-2019	The Vanguard Group, Inc.	SELL	27.62	Ordinary	(5,216)	(5,216)
15-Jul-2019	The Vanguard Group, Inc.	BUY	27.65	Ordinary	3,360	3,360
17-Jul-2019	The Vanguard Group, Inc.	BUY	27.83	Ordinary	1,806	1,806
17-Jul-2019	The Vanguard Group, Inc.	BUY	27.83	Ordinary	2,580	2,580
17-Jul-2019	The Vanguard Group, Inc.	BUY	27.83	Ordinary	1,290	1,290
18-Jul-2019	The Vanguard Group, Inc.	BUY	27.85	Ordinary	29,334	29,334
19-Jul-2019	The Vanguard Group, Inc.	BUY	27.84	Ordinary	766	766
22-Jul-2019	The Vanguard Group, Inc.	BUY	27.45	Ordinary	60	60
22-Jul-2019	The Vanguard Group, Inc.	BUY	27.53	Ordinary	3,004	3,004
22-Jul-2019	The Vanguard Group, Inc.	SELL	27.53	Ordinary	(7,928)	(7,928)
22-Jul-2019	The Vanguard Group, Inc.	BUY	27.54	Ordinary	2,580	2,580
22-Jul-2019	The Vanguard Group, Inc.	BUY	27.54	Ordinary	2,800	2,800
22-Jul-2019	The Vanguard Group, Inc.	BUY	27.54	Ordinary	2,800	2,800
22-Jul-2019	The Vanguard Group, Inc.	BUY	27.54	Ordinary	766	766
23-Jul-2019	The Vanguard Group, Inc.	BUY	27.52	Ordinary	2,881	2,881
23-Jul-2019	The Vanguard Group, Inc.	BUY	27.60	Ordinary	2,580	2,580
25-Jul-2019	The Vanguard Group, Inc.	BUY	28.11	Ordinary	1,476	1,476
26-Jul-2019	The Vanguard Group, Inc.	SELL	27.37	Ordinary	(1,729)	(1,729)
26-Jul-2019	The Vanguard Group, Inc.	BUY	27.37	Ordinary	730	730
26-Jul-2019	The Vanguard Group, Inc.	BUY	27.37	Ordinary	97	97
26-Jul-2019	The Vanguard Group, Inc.	BUY	27.47	Ordinary	2,322	2,322
26-Jul-2019	The Vanguard Group, Inc.	BUY	27.47	Ordinary	2,460	2,460
26-Jul-2019	The Vanguard Group, Inc.	BUY	27.47	Ordinary	766	766
29-Jul-2019	The Vanguard Group, Inc.	SELL	27.78	Ordinary	(9,795)	(9,795)
30-Jul-2019	The Vanguard Group, Inc.	BUY	28.01	Ordinary	926	926
30-Jul-2019	The Vanguard Group, Inc.	BUY	28.00	Ordinary	5,819	5,819
30-Jul-2019	The Vanguard Group, Inc.	SELL	28.03	Ordinary	(1,780)	(1,780)
30-Jul-2019	The Vanguard Group, Inc.	BUY	28.03	Ordinary	384	384
31-Jul-2019	The Vanguard Group, Inc.	BUY	27.99	Ordinary	2,322	2,322
1-Aug-2019	The Vanguard Group, Inc.	SELL	28.10	Ordinary	(16,889)	(16,889)
1-Aug-2019	The Vanguard Group, Inc.	SELL	27.67	Ordinary	(1,105)	(1,105)
1-Aug-2019	The Vanguard Group, Inc.	BUY	28.08	Ordinary	5,040	5,040
2-Aug-2019	The Vanguard Group, Inc.	BUY	28.30	Ordinary	1,968	1,968
5-Aug-2019	The Vanguard Group, Inc.	BUY	27.76	Ordinary	2,580	2,580
5-Aug-2019	The Vanguard Group, Inc.	BUY	27.76	Ordinary	2,460	2,460
5-Aug-2019	The Vanguard Group, Inc.	BUY	28.62	Ordinary	5,196	5,196

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
6-Aug-2019	The Vanguard Group, Inc.	BUY	26.98	Ordinary	3,590	3,590
6-Aug-2019	The Vanguard Group, Inc.	BUY	26.98	Ordinary	1,364	1,364
6-Aug-2019	The Vanguard Group, Inc.	BUY	27.04	Ordinary	29,782	29,782
6-Aug-2019	The Vanguard Group, Inc.	BUY	27.18	Ordinary	383	383
6-Aug-2019	The Vanguard Group, Inc.	BUY	27.18	Ordinary	384	384
7-Aug-2019	The Vanguard Group, Inc.	BUY	27.73	Ordinary	24,900	24,900
7-Aug-2019	The Vanguard Group, Inc.	BUY	27.65	Ordinary	50,904	50,904
8-Aug-2019	The Vanguard Group, Inc.	BUY	27.80	Ordinary	764	764
8-Aug-2019	The Vanguard Group, Inc.	SELL	27.95	Ordinary	(2,225)	(2,225)
8-Aug-2019	The Vanguard Group, Inc.	BUY	27.36	Ordinary	7,470	7,470
9-Aug-2019	The Vanguard Group, Inc.	BUY	27.79	Ordinary	1,115	1,115
9-Aug-2019	The Vanguard Group, Inc.	BUY	27.71	Ordinary	1,149	1,149
12-Aug-2019	The Vanguard Group, Inc.	BUY	27.83	Ordinary	4,128	4,128
13-Aug-2019	The Vanguard Group, Inc.	SELL	28.27	Ordinary	(3,115)	(3,115)
13-Aug-2019	The Vanguard Group, Inc.	BUY	28.27	Ordinary	766	766
14-Aug-2019	The Vanguard Group, Inc.	BUY	28.19	Ordinary	261	261
14-Aug-2019	The Vanguard Group, Inc.	BUY	28.03	Ordinary	26,365	26,365
15-Aug-2019	The Vanguard Group, Inc.	BUY	27.43	Ordinary	1,354	1,354
15-Aug-2019	The Vanguard Group, Inc.	BUY	27.70	Ordinary	70	70
15-Aug-2019	The Vanguard Group, Inc.	SELL	27.38	Ordinary	(2,670)	(2,670)
16-Aug-2019	The Vanguard Group, Inc.	BUY	27.28	Ordinary	4,881	4,881
16-Aug-2019	The Vanguard Group, Inc.	SELL	27.28	Ordinary	(3,013)	(3,013)
16-Aug-2019	The Vanguard Group, Inc.	BUY	27.34	Ordinary	26,921	26,921
16-Aug-2019	The Vanguard Group, Inc.	BUY	27.28	Ordinary	30,486	30,486
19-Aug-2019	The Vanguard Group, Inc.	BUY	27.75	Ordinary	4,838	4,838
19-Aug-2019	The Vanguard Group, Inc.	SELL	27.75	Ordinary	(285)	(285)
19-Aug-2019	The Vanguard Group, Inc.	BUY	27.87	Ordinary	384	384
20-Aug-2019	The Vanguard Group, Inc.	SELL	28.03	Ordinary	(1,401)	(1,401)
20-Aug-2019	The Vanguard Group, Inc.	BUY	28.48	Ordinary	384	384
22-Aug-2019	The Vanguard Group, Inc.	BUY	29.18	Ordinary	5,160	5,160
22-Aug-2019	The Vanguard Group, Inc.	SELL	29.44	Ordinary	(9,511)	(9,511)
23-Aug-2019	The Vanguard Group, Inc.	BUY	28.47	Ordinary	384	384
27-Aug-2019	The Vanguard Group, Inc.	SELL	28.60	Ordinary	(1,595)	(1,595)
27-Aug-2019	The Vanguard Group, Inc.	BUY	28.59	Ordinary	599	599
29-Aug-2019	The Vanguard Group, Inc.	BUY	29.08	Ordinary	6,215	6,215
2-Sep-2019	The Vanguard Group, Inc.	BUY	29.44	Ordinary	4,501	4,501
2-Sep-2019	The Vanguard Group, Inc.	BUY	29.45	Ordinary	170	170
3-Sep-2019	The Vanguard Group, Inc.	SELL	29.39	Ordinary	(3,126)	(3,126)
3-Sep-2019	The Vanguard Group, Inc.	BUY	29.39	Ordinary	3,126	3,126
6-Sep-2019	The Vanguard Group, Inc.	BUY	29.50	Ordinary	261	261
6-Sep-2019	The Vanguard Group, Inc.	SELL	29.35	Ordinary	(1,315)	(1,315)
9-Sep-2019	The Vanguard Group, Inc.	BUY	29.27	Ordinary	3,354	3,354
10-Sep-2019	The Vanguard Group, Inc.	SELL	28.46	Ordinary	(65)	(65)
11-Sep-2019	The Vanguard Group, Inc.	BUY	28.06	Ordinary	3,354	3,354
12-Sep-2019	The Vanguard Group, Inc.	BUY	27.87	Ordinary	2,580	2,580
13-Sep-2019	The Vanguard Group, Inc.	SELL	27.90	Ordinary	(544)	(544)
16-Sep-2019	The Vanguard Group, Inc.	BUY	27.81	Ordinary	2,451	2,451
16-Sep-2019	The Vanguard Group, Inc.	BUY	27.87	Ordinary	1,335	1,335
16-Sep-2019	The Vanguard Group, Inc.	BUY	27.87	Ordinary	384	384
18-Sep-2019	The Vanguard Group, Inc.	BUY	28.07	Ordinary	2,322	2,322
18-Sep-2019	The Vanguard Group, Inc.	BUY	28.02	Ordinary	59,500	59,500
20-Sep-2019	The Vanguard Group, Inc.	SELL	28.22	Ordinary	(552)	(552)
20-Sep-2019	The Vanguard Group, Inc.	SELL	28.22	Ordinary	(31,737)	(31,737)
20-Sep-2019	The Vanguard Group, Inc.	BUY	28.22	Ordinary	11,885	11,885
20-Sep-2019	The Vanguard Group, Inc.	SELL	28.22	Ordinary	(8,052)	(8,052)
23-Sep-2019	The Vanguard Group, Inc.	BUY	28.31	Ordinary	2,580	2,580
24-Sep-2019	The Vanguard Group, Inc.	BUY	28.12	Ordinary	6,868	6,868
24-Sep-2019	The Vanguard Group, Inc.	SELL	28.12	Ordinary	(480)	(480)
25-Sep-2019	The Vanguard Group, Inc.	BUY	28.40	Ordinary	6,709	6,709
25-Sep-2019	The Vanguard Group, Inc.	BUY	28.50	Ordinary	2,580	2,580
26-Sep-2019	The Vanguard Group, Inc.	BUY	28.38	Ordinary	6,967	6,967
30-Sep-2019	The Vanguard Group, Inc.	BUY	28.09	Ordinary	758	758
1-Oct-2019	The Vanguard Group, Inc.	BUY	28.72	Ordinary	919	919
2-Oct-2019	The Vanguard Group, Inc.	BUY	28.04	Ordinary	379	379
2-Oct-2019	The Vanguard Group, Inc.	BUY	28.04	Ordinary	384	384
4-Oct-2019	The Vanguard Group, Inc.	BUY	28.02	Ordinary	268	268
4-Oct-2019	The Vanguard Group, Inc.	BUY	28.20	Ordinary	384	384
8-Oct-2019	The Vanguard Group, Inc.	BUY	28.15	Ordinary	384	384

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10-Oct-2019	The Vanguard Group, Inc.	BUY	28.61	Ordinary	2,580	2,580
10-Oct-2019	The Vanguard Group, Inc.	BUY	28.61	Ordinary	7,740	7,740
15-Oct-2019	The Vanguard Group, Inc.	BUY	28.80	Ordinary	2,064	2,064
16-Oct-2019	The Vanguard Group, Inc.	BUY	29.16	Ordinary	268	268
16-Oct-2019	The Vanguard Group, Inc.	BUY	29.08	Ordinary	758	758
21-Oct-2019	The Vanguard Group, Inc.	BUY	28.66	Ordinary	261	261
21-Oct-2019	The Vanguard Group, Inc.	BUY	28.70	Ordinary	758	758
23-Oct-2019	The Vanguard Group, Inc.	BUY	28.45	Ordinary	1,510	1,510
23-Oct-2019	The Vanguard Group, Inc.	BUY	28.37	Ordinary	2,580	2,580
23-Oct-2019	The Vanguard Group, Inc.	BUY	28.23	Ordinary	48,674	48,674
25-Oct-2019	The Vanguard Group, Inc.	BUY	28.71	Ordinary	261	261
25-Oct-2019	The Vanguard Group, Inc.	BUY	28.71	Ordinary	5,654	5,654
25-Oct-2019	The Vanguard Group, Inc.	SELL	28.71	Ordinary	(11)	(11)
25-Oct-2019	The Vanguard Group, Inc.	SELL	28.79	Ordinary	(5,424)	(5,424)
25-Oct-2019	The Vanguard Group, Inc.	BUY	28.79	Ordinary	718	718
25-Oct-2019	The Vanguard Group, Inc.	BUY	28.79	Ordinary	576	576
28-Oct-2019	The Vanguard Group, Inc.	BUY	28.73	Ordinary	13,955	13,955
29-Oct-2019	The Vanguard Group, Inc.	SELL	28.89	Ordinary	(3,389)	(3,389)
31-Oct-2019	The Vanguard Group, Inc.	SELL	28.54	Ordinary	(7,218)	(7,218)
1-Nov-2019	The Vanguard Group, Inc.	BUY	28.96	Ordinary	77	77
5-Nov-2019	The Vanguard Group, Inc.	BUY	29.26	Ordinary	5,160	5,160
6-Nov-2019	The Vanguard Group, Inc.	BUY	29.08	Ordinary	2,580	2,580
8-Nov-2019	The Vanguard Group, Inc.	BUY	29.15	Ordinary	261	261
8-Nov-2019	The Vanguard Group, Inc.	BUY	29.29	Ordinary	384	384
11-Nov-2019	The Vanguard Group, Inc.	BUY	29.30	Ordinary	3,612	3,612
15-Nov-2019	The Vanguard Group, Inc.	BUY	29.41	Ordinary	2,064	2,064
15-Nov-2019	The Vanguard Group, Inc.	BUY	29.41	Ordinary	384	384
18-Nov-2019	The Vanguard Group, Inc.	BUY	29.14	Ordinary	804	804
18-Nov-2019	The Vanguard Group, Inc.	BUY	29.13	Ordinary	2,838	2,838
18-Nov-2019	The Vanguard Group, Inc.	BUY	29.13	Ordinary	1,038	1,038
19-Nov-2019	The Vanguard Group, Inc.	BUY	29.74	Ordinary	261	261
21-Nov-2019	The Vanguard Group, Inc.	BUY	29.62	Ordinary	157	157
21-Nov-2019	The Vanguard Group, Inc.	BUY	29.66	Ordinary	384	384
22-Nov-2019	The Vanguard Group, Inc.	BUY	29.77	Ordinary	536	536
22-Nov-2019	The Vanguard Group, Inc.	BUY	29.79	Ordinary	4,128	4,128
22-Nov-2019	The Vanguard Group, Inc.	SELL	29.65	Ordinary	(450)	(450)
25-Nov-2019	The Vanguard Group, Inc.	BUY	29.85	Ordinary	268	268
25-Nov-2019	The Vanguard Group, Inc.	BUY	29.99	Ordinary	5,160	5,160
25-Nov-2019	The Vanguard Group, Inc.	BUY	30.01	Ordinary	6,711	6,711
26-Nov-2019	The Vanguard Group, Inc.	BUY	30.20	Ordinary	5,092	5,092
26-Nov-2019	The Vanguard Group, Inc.	SELL	30.20	Ordinary	(106)	(106)
26-Nov-2019	The Vanguard Group, Inc.	BUY	30.21	Ordinary	192	192
27-Nov-2019	The Vanguard Group, Inc.	BUY	30.59	Ordinary	268	268
27-Nov-2019	The Vanguard Group, Inc.	BUY	30.59	Ordinary	919	919
27-Nov-2019	The Vanguard Group, Inc.	BUY	30.63	Ordinary	346	346
29-Nov-2019	The Vanguard Group, Inc.	BUY	30.12	Ordinary	268	268
29-Nov-2019	The Vanguard Group, Inc.	BUY	30.12	Ordinary	261	261
29-Nov-2019	The Vanguard Group, Inc.	BUY	30.12	Ordinary	167	167
29-Nov-2019	The Vanguard Group, Inc.	BUY	30.15	Ordinary	384	384
2-Dec-2019	The Vanguard Group, Inc.	BUY	30.02	Ordinary	7,840	7,840
3-Dec-2019	The Vanguard Group, Inc.	BUY	29.34	Ordinary	261	261
3-Dec-2019	The Vanguard Group, Inc.	BUY	29.34	Ordinary	522	522
3-Dec-2019	The Vanguard Group, Inc.	BUY	29.19	Ordinary	1,384	1,384
4-Dec-2019	The Vanguard Group, Inc.	BUY	28.58	Ordinary	536	536
4-Dec-2019	The Vanguard Group, Inc.	BUY	28.58	Ordinary	4,105	4,105
4-Dec-2019	The Vanguard Group, Inc.	BUY	28.58	Ordinary	120	120
4-Dec-2019	The Vanguard Group, Inc.	BUY	28.60	Ordinary	2,064	2,064
6-Dec-2019	The Vanguard Group, Inc.	BUY	29.16	Ordinary	7,985	7,985
6-Dec-2019	The Vanguard Group, Inc.	BUY	29.16	Ordinary	1,079	1,079
9-Dec-2019	The Vanguard Group, Inc.	BUY	29.33	Ordinary	784	784
10-Dec-2019	The Vanguard Group, Inc.	BUY	29.37	Ordinary	261	261
11-Dec-2019	The Vanguard Group, Inc.	BUY	29.46	Ordinary	136	136
11-Dec-2019	The Vanguard Group, Inc.	BUY	29.31	Ordinary	3,096	3,096
11-Dec-2019	The Vanguard Group, Inc.	BUY	29.31	Ordinary	384	384
11-Dec-2019	The Vanguard Group, Inc.	BUY	29.31	Ordinary	384	384
12-Dec-2019	The Vanguard Group, Inc.	BUY	29.26	Ordinary	3,870	3,870
12-Dec-2019	The Vanguard Group, Inc.	BUY	29.26	Ordinary	1,581	1,581
13-Dec-2019	The Vanguard Group, Inc.	BUY	29.02	Ordinary	690	690

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16-Dec-2019	The Vanguard Group, Inc.	BUY	29.55	Ordinary	1,068	1,068
16-Dec-2019	The Vanguard Group, Inc.	BUY	29.58	Ordinary	384	384
17-Dec-2019	The Vanguard Group, Inc.	BUY	29.44	Ordinary	5,160	5,160
17-Dec-2019	The Vanguard Group, Inc.	BUY	29.44	Ordinary	2,838	2,838
18-Dec-2019	The Vanguard Group, Inc.	BUY	29.61	Ordinary	34,975	34,975
20-Dec-2019	The Vanguard Group, Inc.	BUY	29.62	Ordinary	634	634
20-Dec-2019	The Vanguard Group, Inc.	BUY	29.62	Ordinary	8,916	8,916
20-Dec-2019	The Vanguard Group, Inc.	BUY	29.62	Ordinary	14,530	14,530
20-Dec-2019	The Vanguard Group, Inc.	BUY	29.62	Ordinary	7,353	7,353
23-Dec-2019	The Vanguard Group, Inc.	BUY	29.31	Ordinary	7,840	7,840
23-Dec-2019	The Vanguard Group, Inc.	BUY	29.31	Ordinary	1,680	1,680
23-Dec-2019	The Vanguard Group, Inc.	BUY	29.31	Ordinary	951	951
24-Dec-2019	The Vanguard Group, Inc.	BUY	29.47	Ordinary	536	536
24-Dec-2019	The Vanguard Group, Inc.	BUY	29.44	Ordinary	3,360	3,360
26-Dec-2019	The Vanguard Group, Inc.	BUY	29.44	Ordinary	8,400	8,400
27-Dec-2019	The Vanguard Group, Inc.	BUY	29.28	Ordinary	384	384
30-Dec-2019	The Vanguard Group, Inc.	BUY	29.49	Ordinary	268	268
30-Dec-2019	The Vanguard Group, Inc.	BUY	29.49	Ordinary	1,316	1,316
30-Dec-2019	The Vanguard Group, Inc.	BUY	29.36	Ordinary	2,580	2,580
30-Dec-2019	The Vanguard Group, Inc.	SELL	29.48	Ordinary	(4,994)	(4,994)
31-Dec-2019	The Vanguard Group, Inc.	BUY	28.75	Ordinary	261	261
31-Dec-2019	The Vanguard Group, Inc.	BUY	28.75	Ordinary	261	261
31-Dec-2019	The Vanguard Group, Inc.	BUY	28.73	Ordinary	14,171	14,171
2-Jan-2020	The Vanguard Group, Inc.	BUY	28.64	Ordinary	268	268
2-Jan-2020	The Vanguard Group, Inc.	BUY	28.79	Ordinary	384	384
3-Jan-2020	The Vanguard Group, Inc.	BUY	28.97	Ordinary	384	384
6-Jan-2020	The Vanguard Group, Inc.	BUY	28.85	Ordinary	1,076	1,076
6-Jan-2020	The Vanguard Group, Inc.	BUY	29.21	Ordinary	399	399
6-Jan-2020	The Vanguard Group, Inc.	BUY	29.34	Ordinary	327	327
6-Jan-2020	The Vanguard Group, Inc.	BUY	29.34	Ordinary	1,152	1,152
8-Jan-2020	The Vanguard Group, Inc.	BUY	29.79	Ordinary	261	261
8-Jan-2020	The Vanguard Group, Inc.	BUY	29.79	Ordinary	684	684
8-Jan-2020	The Vanguard Group, Inc.	BUY	29.79	Ordinary	7,208	7,208
8-Jan-2020	The Vanguard Group, Inc.	BUY	29.98	Ordinary	7,740	7,740
9-Jan-2020	The Vanguard Group, Inc.	BUY	30.06	Ordinary	911	911
9-Jan-2020	The Vanguard Group, Inc.	BUY	30.19	Ordinary	2,322	2,322
9-Jan-2020	The Vanguard Group, Inc.	BUY	30.19	Ordinary	10,080	10,080
10-Jan-2020	The Vanguard Group, Inc.	BUY	30.35	Ordinary	536	536
10-Jan-2020	The Vanguard Group, Inc.	BUY	30.35	Ordinary	261	261
10-Jan-2020	The Vanguard Group, Inc.	SELL	30.42	Ordinary	(490)	(490)
10-Jan-2020	The Vanguard Group, Inc.	BUY	30.12	Ordinary	654	654
13-Jan-2020	The Vanguard Group, Inc.	BUY	30.33	Ordinary	924	924
13-Jan-2020	The Vanguard Group, Inc.	BUY	30.33	Ordinary	261	261
14-Jan-2020	The Vanguard Group, Inc.	BUY	30.52	Ordinary	654	654
15-Jan-2020	The Vanguard Group, Inc.	BUY	30.67	Ordinary	261	261
15-Jan-2020	The Vanguard Group, Inc.	BUY	30.72	Ordinary	4,480	4,480
16-Jan-2020	The Vanguard Group, Inc.	BUY	30.77	Ordinary	268	268
16-Jan-2020	The Vanguard Group, Inc.	BUY	30.90	Ordinary	5,040	5,040
17-Jan-2020	The Vanguard Group, Inc.	BUY	30.97	Ordinary	686	686
17-Jan-2020	The Vanguard Group, Inc.	BUY	31.10	Ordinary	5,040	5,040
17-Jan-2020	The Vanguard Group, Inc.	BUY	31.10	Ordinary	4,480	4,480
17-Jan-2020	The Vanguard Group, Inc.	BUY	31.10	Ordinary	192	192
20-Jan-2020	The Vanguard Group, Inc.	SELL	31.03	Ordinary	(15,998)	(15,998)
21-Jan-2020	The Vanguard Group, Inc.	BUY	31.20	Ordinary	7,905	7,905
21-Jan-2020	The Vanguard Group, Inc.	BUY	31.20	Ordinary	576	576
22-Jan-2020	The Vanguard Group, Inc.	BUY	31.44	Ordinary	924	924
22-Jan-2020	The Vanguard Group, Inc.	BUY	31.44	Ordinary	1,580	1,580
22-Jan-2020	The Vanguard Group, Inc.	BUY	31.35	Ordinary	3,360	3,360
23-Jan-2020	The Vanguard Group, Inc.	BUY	31.00	Ordinary	536	536
23-Jan-2020	The Vanguard Group, Inc.	BUY	31.00	Ordinary	268	268
23-Jan-2020	The Vanguard Group, Inc.	BUY	31.14	Ordinary	2,580	2,580
23-Jan-2020	The Vanguard Group, Inc.	BUY	31.14	Ordinary	2,800	2,800
23-Jan-2020	The Vanguard Group, Inc.	BUY	31.14	Ordinary	981	981
28-Jan-2020	The Vanguard Group, Inc.	BUY	31.29	Ordinary	261	261
28-Jan-2020	The Vanguard Group, Inc.	BUY	31.10	Ordinary	15,788	15,788
28-Jan-2020	The Vanguard Group, Inc.	BUY	31.10	Ordinary	18,814	18,814
29-Jan-2020	The Vanguard Group, Inc.	BUY	31.60	Ordinary	536	536
30-Jan-2020	The Vanguard Group, Inc.	BUY	31.50	Ordinary	268	268

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30-Jan-2020	The Vanguard Group, Inc.	BUY	31.50	Ordinary	268	268
30-Jan-2020	The Vanguard Group, Inc.	BUY	31.77	Ordinary	329	329
31-Jan-2020	The Vanguard Group, Inc.	BUY	31.67	Ordinary	1,302	1,302
31-Jan-2020	The Vanguard Group, Inc.	BUY	31.67	Ordinary	8,547	8,547
31-Jan-2020	The Vanguard Group, Inc.	BUY	31.31	Ordinary	3,360	3,360
31-Jan-2020	The Vanguard Group, Inc.	BUY	31.31	Ordinary	3,360	3,360
31-Jan-2020	The Vanguard Group, Inc.	BUY	31.31	Ordinary	384	384
3-Feb-2020	The Vanguard Group, Inc.	BUY	31.49	Ordinary	2,772	2,772
3-Feb-2020	The Vanguard Group, Inc.	BUY	31.57	Ordinary	23,704	23,704
3-Feb-2020	The Vanguard Group, Inc.	BUY	31.53	Ordinary	8,750	8,750
4-Feb-2020	The Vanguard Group, Inc.	BUY	31.13	Ordinary	804	804
4-Feb-2020	The Vanguard Group, Inc.	BUY	31.13	Ordinary	1,000	1,000
4-Feb-2020	The Vanguard Group, Inc.	BUY	31.13	Ordinary	261	261
4-Feb-2020	The Vanguard Group, Inc.	BUY	31.13	Ordinary	132	132
4-Feb-2020	The Vanguard Group, Inc.	BUY	31.25	Ordinary	4,500	4,500
4-Feb-2020	The Vanguard Group, Inc.	BUY	31.25	Ordinary	8,432	8,432
4-Feb-2020	The Vanguard Group, Inc.	BUY	31.25	Ordinary	2,108	2,108
5-Feb-2020	The Vanguard Group, Inc.	BUY	31.43	Ordinary	6,250	6,250
5-Feb-2020	The Vanguard Group, Inc.	BUY	31.43	Ordinary	10,640	10,640
5-Feb-2020	The Vanguard Group, Inc.	BUY	31.43	Ordinary	3,920	3,920
6-Feb-2020	The Vanguard Group, Inc.	BUY	31.40	Ordinary	45,340	45,340
6-Feb-2020	The Vanguard Group, Inc.	BUY	31.38	Ordinary	987	987
7-Feb-2020	The Vanguard Group, Inc.	BUY	31.30	Ordinary	2,000	2,000
10-Feb-2020	The Vanguard Group, Inc.	BUY	31.49	Ordinary	536	536
10-Feb-2020	The Vanguard Group, Inc.	BUY	31.49	Ordinary	924	924
10-Feb-2020	The Vanguard Group, Inc.	BUY	31.71	Ordinary	5,076	5,076
10-Feb-2020	The Vanguard Group, Inc.	BUY	31.71	Ordinary	384	384
11-Feb-2020	The Vanguard Group, Inc.	BUY	31.95	Ordinary	261	261
11-Feb-2020	The Vanguard Group, Inc.	BUY	31.95	Ordinary	261	261
11-Feb-2020	The Vanguard Group, Inc.	BUY	31.91	Ordinary	3,384	3,384
12-Feb-2020	The Vanguard Group, Inc.	BUY	31.72	Ordinary	7,589	7,589
13-Feb-2020	The Vanguard Group, Inc.	BUY	31.51	Ordinary	268	268
13-Feb-2020	The Vanguard Group, Inc.	BUY	31.51	Ordinary	268	268
13-Feb-2020	The Vanguard Group, Inc.	BUY	31.51	Ordinary	261	261
13-Feb-2020	The Vanguard Group, Inc.	BUY	31.53	Ordinary	7,332	7,332
13-Feb-2020	The Vanguard Group, Inc.	SELL	31.50	Ordinary	(322)	(322)
13-Feb-2020	The Vanguard Group, Inc.	BUY	31.53	Ordinary	658	658
14-Feb-2020	The Vanguard Group, Inc.	BUY	31.61	Ordinary	3,384	3,384
14-Feb-2020	The Vanguard Group, Inc.	BUY	31.61	Ordinary	576	576
14-Feb-2020	The Vanguard Group, Inc.	SELL	31.63	Ordinary	(4,997)	(4,997)
17-Feb-2020	The Vanguard Group, Inc.	BUY	31.41	Ordinary	10,414	10,414
18-Feb-2020	The Vanguard Group, Inc.	BUY	31.45	Ordinary	1,492	1,492
19-Feb-2020	The Vanguard Group, Inc.	BUY	31.70	Ordinary	2,820	2,820
20-Feb-2020	The Vanguard Group, Inc.	BUY	31.29	Ordinary	6,468	6,468
21-Feb-2020	The Vanguard Group, Inc.	BUY	31.05	Ordinary	641	641
21-Feb-2020	The Vanguard Group, Inc.	BUY	30.95	Ordinary	18,981	18,981
21-Feb-2020	The Vanguard Group, Inc.	BUY	30.84	Ordinary	4,512	4,512
24-Feb-2020	The Vanguard Group, Inc.	SELL	30.22	Ordinary	(2,300)	(2,300)
24-Feb-2020	The Vanguard Group, Inc.	BUY	30.22	Ordinary	384	384
25-Feb-2020	The Vanguard Group, Inc.	SELL	29.94	Ordinary	(8,899)	(8,899)
25-Feb-2020	The Vanguard Group, Inc.	SELL	30.05	Ordinary	(2,442)	(2,442)
25-Feb-2020	The Vanguard Group, Inc.	SELL	29.22	Ordinary	(920)	(920)
25-Feb-2020	The Vanguard Group, Inc.	BUY	30.00	Ordinary	19,426	19,426
25-Feb-2020	The Vanguard Group, Inc.	BUY	29.22	Ordinary	3,384	3,384
25-Feb-2020	The Vanguard Group, Inc.	BUY	29.22	Ordinary	329	329
26-Feb-2020	The Vanguard Group, Inc.	BUY	29.50	Ordinary	1,017	1,017
26-Feb-2020	The Vanguard Group, Inc.	BUY	29.50	Ordinary	19,754	19,754
26-Feb-2020	The Vanguard Group, Inc.	BUY	29.50	Ordinary	19,754	19,754
26-Feb-2020	The Vanguard Group, Inc.	BUY	29.50	Ordinary	987	987
26-Feb-2020	The Vanguard Group, Inc.	BUY	29.50	Ordinary	658	658
27-Feb-2020	The Vanguard Group, Inc.	BUY	28.77	Ordinary	4,750	4,750
28-Feb-2020	The Vanguard Group, Inc.	BUY	28.93	Ordinary	20,715	20,715
28-Feb-2020	The Vanguard Group, Inc.	BUY	28.80	Ordinary	28,429	28,429
2-Mar-2020	The Vanguard Group, Inc.	SELL	29.62	Ordinary	(4,512)	(4,512)
2-Mar-2020	The Vanguard Group, Inc.	SELL	28.61	Ordinary	(427)	(427)
3-Mar-2020	The Vanguard Group, Inc.	BUY	29.52	Ordinary	268	268
3-Mar-2020	The Vanguard Group, Inc.	BUY	28.99	Ordinary	384	384
4-Mar-2020	The Vanguard Group, Inc.	BUY	29.30	Ordinary	268	268

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4-Mar-2020	The Vanguard Group, Inc.	BUY	29.30	Ordinary	268	268
4-Mar-2020	The Vanguard Group, Inc.	BUY	29.30	Ordinary	536	536
4-Mar-2020	The Vanguard Group, Inc.	BUY	29.30	Ordinary	310	310
4-Mar-2020	The Vanguard Group, Inc.	SELL	29.17	Ordinary	(12,750)	(12,750)
4-Mar-2020	The Vanguard Group, Inc.	BUY	29.17	Ordinary	5,264	5,264
4-Mar-2020	The Vanguard Group, Inc.	BUY	29.74	Ordinary	768	768
4-Mar-2020	The Vanguard Group, Inc.	BUY	29.74	Ordinary	576	576
5-Mar-2020	The Vanguard Group, Inc.	SELL	29.77	Ordinary	(54,513)	(54,513)
6-Mar-2020	The Vanguard Group, Inc.	BUY	30.78	Ordinary	261	261
6-Mar-2020	The Vanguard Group, Inc.	SELL	30.78	Ordinary	(39,832)	(39,832)
6-Mar-2020	The Vanguard Group, Inc.	SELL	30.68	Ordinary	(3,384)	(3,384)
9-Mar-2020	The Vanguard Group, Inc.	SELL	29.57	Ordinary	(9,886)	(9,886)
9-Mar-2020	The Vanguard Group, Inc.	BUY	28.97	Ordinary	576	576
9-Mar-2020	The Vanguard Group, Inc.	BUY	28.97	Ordinary	192	192
10-Mar-2020	The Vanguard Group, Inc.	BUY	30.42	Ordinary	268	268
10-Mar-2020	The Vanguard Group, Inc.	SELL	30.42	Ordinary	(3,676)	(3,676)
10-Mar-2020	The Vanguard Group, Inc.	BUY	30.42	Ordinary	1,666	1,666
10-Mar-2020	The Vanguard Group, Inc.	BUY	29.39	Ordinary	38,628	38,628
10-Mar-2020	The Vanguard Group, Inc.	SELL	30.93	Ordinary	(2,820)	(2,820)
10-Mar-2020	The Vanguard Group, Inc.	SELL	28.74	Ordinary	(490)	(490)
11-Mar-2020	The Vanguard Group, Inc.	BUY	29.83	Ordinary	1,013	1,013
11-Mar-2020	The Vanguard Group, Inc.	SELL	30.20	Ordinary	(745)	(745)
11-Mar-2020	The Vanguard Group, Inc.	BUY	30.08	Ordinary	28,639	28,639
11-Mar-2020	The Vanguard Group, Inc.	SELL	29.55	Ordinary	(1,692)	(1,692)
12-Mar-2020	The Vanguard Group, Inc.	BUY	27.59	Ordinary	268	268
12-Mar-2020	The Vanguard Group, Inc.	BUY	27.59	Ordinary	536	536
12-Mar-2020	The Vanguard Group, Inc.	BUY	27.59	Ordinary	1,481	1,481
12-Mar-2020	The Vanguard Group, Inc.	BUY	29.04	Ordinary	24,953	24,953
12-Mar-2020	The Vanguard Group, Inc.	SELL	27.15	Ordinary	(6,204)	(6,204)
13-Mar-2020	The Vanguard Group, Inc.	BUY	29.01	Ordinary	15,138	15,138
13-Mar-2020	The Vanguard Group, Inc.	BUY	29.01	Ordinary	261	261
13-Mar-2020	The Vanguard Group, Inc.	BUY	29.01	Ordinary	185	185
13-Mar-2020	The Vanguard Group, Inc.	BUY	26.29	Ordinary	30,140	30,140
13-Mar-2020	The Vanguard Group, Inc.	BUY	29.01	Ordinary	29,054	29,054
13-Mar-2020	The Vanguard Group, Inc.	BUY	29.72	Ordinary	960	960
13-Mar-2020	The Vanguard Group, Inc.	BUY	29.72	Ordinary	192	192
16-Mar-2020	The Vanguard Group, Inc.	BUY	27.92	Ordinary	536	536
16-Mar-2020	The Vanguard Group, Inc.	BUY	27.44	Ordinary	268	268
16-Mar-2020	The Vanguard Group, Inc.	BUY	27.44	Ordinary	924	924
16-Mar-2020	The Vanguard Group, Inc.	BUY	27.44	Ordinary	345	345
16-Mar-2020	The Vanguard Group, Inc.	BUY	27.44	Ordinary	130	130
16-Mar-2020	The Vanguard Group, Inc.	SELL	26.82	Ordinary	(1,371)	(1,371)
16-Mar-2020	The Vanguard Group, Inc.	SELL	26.82	Ordinary	(2,108)	(2,108)
16-Mar-2020	The Vanguard Group, Inc.	BUY	26.82	Ordinary	654	654
16-Mar-2020	The Vanguard Group, Inc.	BUY	26.82	Ordinary	327	327
17-Mar-2020	The Vanguard Group, Inc.	BUY	29.31	Ordinary	270	270
17-Mar-2020	The Vanguard Group, Inc.	BUY	29.31	Ordinary	13,833	13,833
17-Mar-2020	The Vanguard Group, Inc.	SELL	29.31	Ordinary	(388)	(388)
17-Mar-2020	The Vanguard Group, Inc.	SELL	30.08	Ordinary	(1,828)	(1,828)
17-Mar-2020	The Vanguard Group, Inc.	BUY	27.44	Ordinary	44,871	44,871
17-Mar-2020	The Vanguard Group, Inc.	BUY	30.08	Ordinary	2,500	2,500
17-Mar-2020	The Vanguard Group, Inc.	BUY	30.08	Ordinary	2,250	2,250
17-Mar-2020	The Vanguard Group, Inc.	SELL	30.08	Ordinary	(4,512)	(4,512)
17-Mar-2020	The Vanguard Group, Inc.	SELL	30.08	Ordinary	(5,640)	(5,640)
17-Mar-2020	The Vanguard Group, Inc.	BUY	30.08	Ordinary	981	981
17-Mar-2020	The Vanguard Group, Inc.	BUY	30.08	Ordinary	654	654
18-Mar-2020	The Vanguard Group, Inc.	BUY	26.53	Ordinary	536	536
18-Mar-2020	The Vanguard Group, Inc.	BUY	26.53	Ordinary	268	268
18-Mar-2020	The Vanguard Group, Inc.	BUY	28.90	Ordinary	38,812	38,812
18-Mar-2020	The Vanguard Group, Inc.	BUY	27.43	Ordinary	768	768
19-Mar-2020	The Vanguard Group, Inc.	BUY	26.39	Ordinary	35,075	35,075
19-Mar-2020	The Vanguard Group, Inc.	BUY	24.77	Ordinary	4,750	4,750
19-Mar-2020	The Vanguard Group, Inc.	BUY	24.77	Ordinary	384	384
20-Mar-2020	The Vanguard Group, Inc.	BUY	21.67	Ordinary	268	268
20-Mar-2020	The Vanguard Group, Inc.	SELL	21.43	Ordinary	(2,285)	(2,285)
20-Mar-2020	The Vanguard Group, Inc.	BUY	22.63	Ordinary	42,997	42,997
20-Mar-2020	The Vanguard Group, Inc.	SELL	22.41	Ordinary	(16,162)	(16,162)
20-Mar-2020	The Vanguard Group, Inc.	SELL	22.41	Ordinary	(994)	(994)

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20-Mar-2020	The Vanguard Group, Inc.	BUY	21.43	Ordinary	969	969
20-Mar-2020	The Vanguard Group, Inc.	BUY	21.43	Ordinary	384	384
23-Mar-2020	The Vanguard Group, Inc.	BUY	23.04	Ordinary	268	268
23-Mar-2020	The Vanguard Group, Inc.	BUY	23.04	Ordinary	925	925
23-Mar-2020	The Vanguard Group, Inc.	BUY	23.04	Ordinary	634	634
23-Mar-2020	The Vanguard Group, Inc.	SELL	20.22	Ordinary	(801)	(801)
23-Mar-2020	The Vanguard Group, Inc.	SELL	23.14	Ordinary	(1,828)	(1,828)
23-Mar-2020	The Vanguard Group, Inc.	SELL	21.09	Ordinary	(7,961)	(7,961)
23-Mar-2020	The Vanguard Group, Inc.	SELL	20.22	Ordinary	(489)	(489)
24-Mar-2020	The Vanguard Group, Inc.	BUY	21.98	Ordinary	268	268
24-Mar-2020	The Vanguard Group, Inc.	BUY	22.47	Ordinary	3,498	3,498
24-Mar-2020	The Vanguard Group, Inc.	SELL	22.47	Ordinary	(3,747)	(3,747)
25-Mar-2020	The Vanguard Group, Inc.	BUY	21.93	Ordinary	13,671	13,671
25-Mar-2020	The Vanguard Group, Inc.	BUY	21.93	Ordinary	49,626	49,626
25-Mar-2020	The Vanguard Group, Inc.	SELL	22.90	Ordinary	(2,080)	(2,080)
26-Mar-2020	The Vanguard Group, Inc.	SELL	25.04	Ordinary	(1,371)	(1,371)
27-Mar-2020	The Vanguard Group, Inc.	BUY	22.65	Ordinary	536	536
27-Mar-2020	The Vanguard Group, Inc.	BUY	22.65	Ordinary	536	536
27-Mar-2020	The Vanguard Group, Inc.	BUY	22.65	Ordinary	178	178
27-Mar-2020	The Vanguard Group, Inc.	BUY	22.65	Ordinary	16,870	16,870
30-Mar-2020	The Vanguard Group, Inc.	BUY	24.48	Ordinary	912	912
30-Mar-2020	The Vanguard Group, Inc.	SELL	24.70	Ordinary	(2,261)	(2,261)
31-Mar-2020	The Vanguard Group, Inc.	BUY	24.33	Ordinary	268	268
31-Mar-2020	The Vanguard Group, Inc.	BUY	24.33	Ordinary	5,831	5,831
31-Mar-2020	The Vanguard Group, Inc.	SELL	24.33	Ordinary	(9,119)	(9,119)
1-Apr-2020	The Vanguard Group, Inc.	BUY	24.60	Ordinary	1,822	1,822
1-Apr-2020	The Vanguard Group, Inc.	BUY	24.60	Ordinary	623	623
1-Apr-2020	The Vanguard Group, Inc.	BUY	25.00	Ordinary	496	496
1-Apr-2020	The Vanguard Group, Inc.	SELL	24.48	Ordinary	(646)	(646)
1-Apr-2020	The Vanguard Group, Inc.	SELL	24.48	Ordinary	(646)	(646)
2-Apr-2020	The Vanguard Group, Inc.	BUY	23.41	Ordinary	2,500	2,500
2-Apr-2020	The Vanguard Group, Inc.	BUY	23.41	Ordinary	576	576
6-Apr-2020	The Vanguard Group, Inc.	BUY	22.55	Ordinary	268	268
7-Apr-2020	The Vanguard Group, Inc.	BUY	22.51	Ordinary	268	268
7-Apr-2020	The Vanguard Group, Inc.	BUY	22.51	Ordinary	2,733	2,733
7-Apr-2020	The Vanguard Group, Inc.	SELL	22.51	Ordinary	(249)	(249)
8-Apr-2020	The Vanguard Group, Inc.	BUY	22.11	Ordinary	3,250	3,250
9-Apr-2020	The Vanguard Group, Inc.	BUY	22.84	Ordinary	683	683
9-Apr-2020	The Vanguard Group, Inc.	BUY	22.86	Ordinary	576	576
9-Apr-2020	The Vanguard Group, Inc.	BUY	22.86	Ordinary	192	192
14-Apr-2020	The Vanguard Group, Inc.	BUY	24.56	Ordinary	576	576
15-Apr-2020	The Vanguard Group, Inc.	BUY	25.32	Ordinary	250	250
15-Apr-2020	The Vanguard Group, Inc.	SELL	25.35	Ordinary	(2,256)	(2,256)
15-Apr-2020	The Vanguard Group, Inc.	SELL	25.35	Ordinary	(5,076)	(5,076)
15-Apr-2020	The Vanguard Group, Inc.	SELL	25.35	Ordinary	(4,512)	(4,512)
15-Apr-2020	The Vanguard Group, Inc.	BUY	25.35	Ordinary	576	576
16-Apr-2020	The Vanguard Group, Inc.	BUY	25.04	Ordinary	911	911
16-Apr-2020	The Vanguard Group, Inc.	BUY	25.35	Ordinary	1,277	1,277
17-Apr-2020	The Vanguard Group, Inc.	BUY	25.36	Ordinary	1,750	1,750
17-Apr-2020	The Vanguard Group, Inc.	BUY	25.36	Ordinary	2,600	2,600
20-Apr-2020	The Vanguard Group, Inc.	SELL	25.49	Ordinary	(175)	(175)
20-Apr-2020	The Vanguard Group, Inc.	BUY	25.41	Ordinary	3,500	3,500
20-Apr-2020	The Vanguard Group, Inc.	BUY	25.41	Ordinary	2,000	2,000
21-Apr-2020	The Vanguard Group, Inc.	SELL	25.55	Ordinary	(24,929)	(24,929)
24-Apr-2020	The Vanguard Group, Inc.	SELL	24.87	Ordinary	(1,628)	(1,628)
28-Apr-2020	The Vanguard Group, Inc.	BUY	26.49	Ordinary	2,500	2,500
30-Apr-2020	The Vanguard Group, Inc.	SELL	27.10	Ordinary	(5,076)	(5,076)
30-Apr-2020	The Vanguard Group, Inc.	BUY	27.20	Ordinary	5,807	5,807
1-May-2020	The Vanguard Group, Inc.	SELL	26.19	Ordinary	(1,728)	(1,728)
1-May-2020	The Vanguard Group, Inc.	SELL	26.19	Ordinary	(6,768)	(6,768)
4-May-2020	The Vanguard Group, Inc.	SELL	26.30	Ordinary	(3,573)	(3,573)
6-May-2020	The Vanguard Group, Inc.	BUY	26.02	Ordinary	1,919	1,919
7-May-2020	The Vanguard Group, Inc.	BUY	25.86	Ordinary	245	245
7-May-2020	The Vanguard Group, Inc.	SELL	25.89	Ordinary	(471)	(471)
8-May-2020	The Vanguard Group, Inc.	SELL	25.94	Ordinary	(3,024)	(3,024)
11-May-2020	The Vanguard Group, Inc.	SELL	26.46	Ordinary	(5,975)	(5,975)
12-May-2020	The Vanguard Group, Inc.	BUY	26.54	Ordinary	245	245
13-May-2020	The Vanguard Group, Inc.	BUY	26.50	Ordinary	909	909

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13-May-2020	The Vanguard Group, Inc.	BUY	26.50	Ordinary	1,826	1,826
15-May-2020	The Vanguard Group, Inc.	BUY	27.12	Ordinary	909	909
15-May-2020	The Vanguard Group, Inc.	SELL	26.53	Ordinary	(796)	(796)
20-May-2020	The Vanguard Group, Inc.	SELL	26.90	Ordinary	(1,146)	(1,146)
20-May-2020	The Vanguard Group, Inc.	SELL	26.90	Ordinary	(766)	(766)
21-May-2020	The Vanguard Group, Inc.	BUY	27.50	Ordinary	910	910
21-May-2020	The Vanguard Group, Inc.	BUY	27.49	Ordinary	607	607
22-May-2020	The Vanguard Group, Inc.	BUY	27.44	Ordinary	576	576
22-May-2020	The Vanguard Group, Inc.	BUY	27.28	Ordinary	2,626	2,626
22-May-2020	The Vanguard Group, Inc.	SELL	27.50	Ordinary	(1,519)	(1,519)
27-May-2020	The Vanguard Group, Inc.	BUY	28.93	Ordinary	384	384
27-May-2020	The Vanguard Group, Inc.	BUY	28.82	Ordinary	486	486
28-May-2020	The Vanguard Group, Inc.	BUY	29.15	Ordinary	5,184	5,184
29-May-2020	The Vanguard Group, Inc.	SELL	28.29	Ordinary	(12,717)	(12,717)
29-May-2020	The Vanguard Group, Inc.	BUY	28.17	Ordinary	3,660	3,660
29-May-2020	The Vanguard Group, Inc.	SELL	28.20	Ordinary	(2,436)	(2,436)
1-Jun-2020	The Vanguard Group, Inc.	BUY	27.92	Ordinary	1,998	1,998
1-Jun-2020	The Vanguard Group, Inc.	BUY	28.37	Ordinary	2,160	2,160
2-Jun-2020	The Vanguard Group, Inc.	BUY	28.18	Ordinary	9,896	9,896
2-Jun-2020	The Vanguard Group, Inc.	BUY	28.29	Ordinary	6,480	6,480
3-Jun-2020	The Vanguard Group, Inc.	BUY	28.73	Ordinary	576	576
3-Jun-2020	The Vanguard Group, Inc.	BUY	28.56	Ordinary	245	245
4-Jun-2020	The Vanguard Group, Inc.	BUY	28.92	Ordinary	2,160	2,160
4-Jun-2020	The Vanguard Group, Inc.	SELL	28.58	Ordinary	(20,597)	(20,597)
5-Jun-2020	The Vanguard Group, Inc.	BUY	28.88	Ordinary	384	384
5-Jun-2020	The Vanguard Group, Inc.	BUY	28.78	Ordinary	1,395	1,395
5-Jun-2020	The Vanguard Group, Inc.	SELL	28.57	Ordinary	(20,215)	(20,215)
9-Jun-2020	The Vanguard Group, Inc.	BUY	28.82	Ordinary	384	384
9-Jun-2020	The Vanguard Group, Inc.	BUY	28.89	Ordinary	911	911
9-Jun-2020	The Vanguard Group, Inc.	BUY	28.89	Ordinary	254	254
9-Jun-2020	The Vanguard Group, Inc.	SELL	28.83	Ordinary	(35,217)	(35,217)
9-Jun-2020	The Vanguard Group, Inc.	SELL	29.10	Ordinary	(5,720)	(5,720)
9-Jun-2020	The Vanguard Group, Inc.	SELL	28.82	Ordinary	(2,436)	(2,436)
10-Jun-2020	The Vanguard Group, Inc.	SELL	29.00	Ordinary	(20,819)	(20,819)
10-Jun-2020	The Vanguard Group, Inc.	SELL	29.23	Ordinary	(15,101)	(15,101)
11-Jun-2020	The Vanguard Group, Inc.	BUY	28.08	Ordinary	2,160	2,160
11-Jun-2020	The Vanguard Group, Inc.	SELL	28.72	Ordinary	(19,852)	(19,852)
11-Jun-2020	The Vanguard Group, Inc.	SELL	28.08	Ordinary	(2,288)	(2,288)
11-Jun-2020	The Vanguard Group, Inc.	SELL	28.08	Ordinary	(5,720)	(5,720)
11-Jun-2020	The Vanguard Group, Inc.	SELL	28.08	Ordinary	(3,432)	(3,432)
11-Jun-2020	The Vanguard Group, Inc.	SELL	28.71	Ordinary	(12,953)	(12,953)
15-Jun-2020	The Vanguard Group, Inc.	SELL	27.85	Ordinary	(3,432)	(3,432)
17-Jun-2020	The Vanguard Group, Inc.	BUY	29.09	Ordinary	6,603	6,603
19-Jun-2020	The Vanguard Group, Inc.	BUY	28.70	Ordinary	384	384
19-Jun-2020	The Vanguard Group, Inc.	BUY	28.92	Ordinary	15	15
19-Jun-2020	The Vanguard Group, Inc.	SELL	28.88	Ordinary	(10,303)	(10,303)
19-Jun-2020	The Vanguard Group, Inc.	BUY	28.92	Ordinary	22,732	22,732
19-Jun-2020	The Vanguard Group, Inc.	SELL	28.88	Ordinary	(7,940)	(7,940)
19-Jun-2020	The Vanguard Group, Inc.	SELL	28.70	Ordinary	(2,842)	(2,842)
19-Jun-2020	The Vanguard Group, Inc.	SELL	28.88	Ordinary	(3,235)	(3,235)
22-Jun-2020	The Vanguard Group, Inc.	BUY	28.89	Ordinary	476	476
22-Jun-2020	The Vanguard Group, Inc.	SELL	28.65	Ordinary	(733)	(733)
23-Jun-2020	The Vanguard Group, Inc.	BUY	28.96	Ordinary	705	705
24-Jun-2020	The Vanguard Group, Inc.	BUY	30.33	Ordinary	253	253
24-Jun-2020	The Vanguard Group, Inc.	SELL	29.96	Ordinary	(2,145)	(2,145)
24-Jun-2020	The Vanguard Group, Inc.	SELL	29.96	Ordinary	(3,432)	(3,432)
24-Jun-2020	The Vanguard Group, Inc.	SELL	29.96	Ordinary	(3,930)	(3,930)
24-Jun-2020	The Vanguard Group, Inc.	SELL	29.96	Ordinary	(1,179)	(1,179)
25-Jun-2020	The Vanguard Group, Inc.	SELL	30.12	Ordinary	(37,220)	(37,220)
29-Jun-2020	The Vanguard Group, Inc.	BUY	30.49	Ordinary	576	576
29-Jun-2020	The Vanguard Group, Inc.	BUY	30.28	Ordinary	502	502
30-Jun-2020	The Vanguard Group, Inc.	BUY	30.43	Ordinary	10,545	10,545
30-Jun-2020	The Vanguard Group, Inc.	SELL	30.60	Ordinary	(2,860)	(2,860)
30-Jun-2020	The Vanguard Group, Inc.	BUY	30.50	Ordinary	6,148	6,148
1-Jul-2020	The Vanguard Group, Inc.	BUY	30.32	Ordinary	248	248
2-Jul-2020	The Vanguard Group, Inc.	BUY	30.73	Ordinary	238	238
2-Jul-2020	The Vanguard Group, Inc.	BUY	30.66	Ordinary	2,388	2,388
6-Jul-2020	The Vanguard Group, Inc.	BUY	31.04	Ordinary	1,152	1,152

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
6-Jul-2020	The Vanguard Group, Inc.	BUY	31.01	Ordinary	476	476
6-Jul-2020	The Vanguard Group, Inc.	BUY	31.04	Ordinary	1,950	1,950
7-Jul-2020	The Vanguard Group, Inc.	BUY	31.34	Ordinary	213	213
8-Jul-2020	The Vanguard Group, Inc.	SELL	31.37	Ordinary	(369)	(369)
8-Jul-2020	The Vanguard Group, Inc.	BUY	31.03	Ordinary	238	238
9-Jul-2020	The Vanguard Group, Inc.	BUY	31.37	Ordinary	1,678	1,678
9-Jul-2020	The Vanguard Group, Inc.	BUY	30.81	Ordinary	628	628
10-Jul-2020	The Vanguard Group, Inc.	BUY	30.90	Ordinary	207	207
10-Jul-2020	The Vanguard Group, Inc.	BUY	30.66	Ordinary	1,211	1,211
10-Jul-2020	The Vanguard Group, Inc.	BUY	30.66	Ordinary	143	143
14-Jul-2020	The Vanguard Group, Inc.	SELL	30.84	Ordinary	(23,750)	(23,750)
14-Jul-2020	The Vanguard Group, Inc.	SELL	30.84	Ordinary	(5,090)	(5,090)
15-Jul-2020	The Vanguard Group, Inc.	SELL	31.38	Ordinary	(5,220)	(5,220)
15-Jul-2020	The Vanguard Group, Inc.	SELL	31.38	Ordinary	(1,740)	(1,740)
15-Jul-2020	The Vanguard Group, Inc.	SELL	31.21	Ordinary	(30,975)	(30,975)
16-Jul-2020	The Vanguard Group, Inc.	BUY	31.90	Ordinary	9,309	9,309
17-Jul-2020	The Vanguard Group, Inc.	SELL	31.25	Ordinary	(18,152)	(18,152)
17-Jul-2020	The Vanguard Group, Inc.	SELL	31.51	Ordinary	(5,040)	(5,040)
17-Jul-2020	The Vanguard Group, Inc.	BUY	31.51	Ordinary	5,040	5,040
21-Jul-2020	The Vanguard Group, Inc.	BUY	32.00	Ordinary	4,558	4,558
23-Jul-2020	The Vanguard Group, Inc.	SELL	32.07	Ordinary	(17,391)	(17,391)
27-Jul-2020	The Vanguard Group, Inc.	BUY	31.52	Ordinary	13,837	13,837
29-Jul-2020	The Vanguard Group, Inc.	SELL	32.08	Ordinary	(18,057)	(18,057)
30-Jul-2020	The Vanguard Group, Inc.	BUY	32.79	Ordinary	384	384
30-Jul-2020	The Vanguard Group, Inc.	BUY	32.68	Ordinary	502	502
30-Jul-2020	The Vanguard Group, Inc.	BUY	32.68	Ordinary	168	168
31-Jul-2020	The Vanguard Group, Inc.	BUY	32.10	Ordinary	196	196
31-Jul-2020	The Vanguard Group, Inc.	BUY	32.10	Ordinary	504	504
31-Jul-2020	The Vanguard Group, Inc.	BUY	32.45	Ordinary	8,584	8,584
3-Aug-2020	The Vanguard Group, Inc.	BUY	32.50	Ordinary	2,730	2,730
3-Aug-2020	The Vanguard Group, Inc.	BUY	32.03	Ordinary	1,119	1,119
4-Aug-2020	The Vanguard Group, Inc.	BUY	33.39	Ordinary	576	576
4-Aug-2020	The Vanguard Group, Inc.	BUY	33.30	Ordinary	193	193
4-Aug-2020	The Vanguard Group, Inc.	BUY	33.05	Ordinary	8,645	8,645
4-Aug-2020	The Vanguard Group, Inc.	BUY	33.05	Ordinary	1,086	1,086
5-Aug-2020	The Vanguard Group, Inc.	SELL	32.72	Ordinary	(372)	(372)
6-Aug-2020	The Vanguard Group, Inc.	BUY	33.27	Ordinary	384	384
11-Aug-2020	The Vanguard Group, Inc.	BUY	34.04	Ordinary	4,915	4,915
11-Aug-2020	The Vanguard Group, Inc.	BUY	33.83	Ordinary	1,570	1,570
12-Aug-2020	The Vanguard Group, Inc.	BUY	34.13	Ordinary	199	199
13-Aug-2020	The Vanguard Group, Inc.	BUY	34.38	Ordinary	231	231
13-Aug-2020	The Vanguard Group, Inc.	BUY	34.38	Ordinary	496	496
13-Aug-2020	The Vanguard Group, Inc.	SELL	34.34	Ordinary	(1,740)	(1,740)
13-Aug-2020	The Vanguard Group, Inc.	SELL	34.34	Ordinary	(1,960)	(1,960)
17-Aug-2020	The Vanguard Group, Inc.	BUY	33.60	Ordinary	3,900	3,900
17-Aug-2020	The Vanguard Group, Inc.	BUY	33.60	Ordinary	384	384
17-Aug-2020	The Vanguard Group, Inc.	BUY	33.60	Ordinary	5,148	5,148
17-Aug-2020	The Vanguard Group, Inc.	BUY	33.60	Ordinary	6,864	6,864
18-Aug-2020	The Vanguard Group, Inc.	SELL	34.27	Ordinary	(18,993)	(18,993)
18-Aug-2020	The Vanguard Group, Inc.	BUY	34.27	Ordinary	2,340	2,340
18-Aug-2020	The Vanguard Group, Inc.	BUY	34.27	Ordinary	18,993	18,993
18-Aug-2020	The Vanguard Group, Inc.	BUY	34.29	Ordinary	3,886	3,886
19-Aug-2020	The Vanguard Group, Inc.	SELL	33.85	Ordinary	(331)	(331)
20-Aug-2020	The Vanguard Group, Inc.	BUY	35.20	Ordinary	1,365	1,365
20-Aug-2020	The Vanguard Group, Inc.	BUY	35.20	Ordinary	384	384
20-Aug-2020	The Vanguard Group, Inc.	BUY	35.20	Ordinary	645	645
21-Aug-2020	The Vanguard Group, Inc.	BUY	34.62	Ordinary	231	231
21-Aug-2020	The Vanguard Group, Inc.	SELL	34.62	Ordinary	(1,149)	(1,149)
26-Aug-2020	The Vanguard Group, Inc.	SELL	34.10	Ordinary	(86,129)	(86,129)
26-Aug-2020	The Vanguard Group, Inc.	BUY	34.30	Ordinary	314	314
27-Aug-2020	The Vanguard Group, Inc.	BUY	32.96	Ordinary	4,095	4,095
27-Aug-2020	The Vanguard Group, Inc.	BUY	32.96	Ordinary	2,860	2,860
28-Aug-2020	The Vanguard Group, Inc.	BUY	32.46	Ordinary	231	231
31-Aug-2020	The Vanguard Group, Inc.	BUY	31.98	Ordinary	628	628
1-Sep-2020	The Vanguard Group, Inc.	SELL	31.86	Ordinary	(189,905)	(189,905)
1-Sep-2020	The Vanguard Group, Inc.	BUY	31.86	Ordinary	189,905	189,905
1-Sep-2020	The Vanguard Group, Inc.	SELL	31.66	Ordinary	(11,625)	(11,625)
1-Sep-2020	The Vanguard Group, Inc.	SELL	31.64	Ordinary	(11,518)	(11,518)

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2-Sep-2020	The Vanguard Group, Inc.	BUY	32.68	Ordinary	1,950	1,950
2-Sep-2020	The Vanguard Group, Inc.	BUY	32.68	Ordinary	576	576
2-Sep-2020	The Vanguard Group, Inc.	BUY	32.51	Ordinary	3,650	3,650
3-Sep-2020	The Vanguard Group, Inc.	BUY	32.48	Ordinary	1,950	1,950
3-Sep-2020	The Vanguard Group, Inc.	BUY	33.00	Ordinary	223	223
3-Sep-2020	The Vanguard Group, Inc.	BUY	33.00	Ordinary	763	763
4-Sep-2020	The Vanguard Group, Inc.	BUY	32.42	Ordinary	1,950	1,950
4-Sep-2020	The Vanguard Group, Inc.	BUY	32.85	Ordinary	6,296	6,296
4-Sep-2020	The Vanguard Group, Inc.	BUY	32.85	Ordinary	75	75
4-Sep-2020	The Vanguard Group, Inc.	SELL	32.51	Ordinary	(4,095)	(4,095)
8-Sep-2020	The Vanguard Group, Inc.	BUY	31.81	Ordinary	154	154
9-Sep-2020	The Vanguard Group, Inc.	BUY	31.66	Ordinary	196	196
10-Sep-2020	The Vanguard Group, Inc.	SELL	32.00	Ordinary	(4,428)	(4,428)
11-Sep-2020	The Vanguard Group, Inc.	BUY	32.50	Ordinary	2,925	2,925
11-Sep-2020	The Vanguard Group, Inc.	BUY	32.53	Ordinary	690	690
11-Sep-2020	The Vanguard Group, Inc.	BUY	31.88	Ordinary	56	56
11-Sep-2020	The Vanguard Group, Inc.	BUY	31.88	Ordinary	814	814
14-Sep-2020	The Vanguard Group, Inc.	SELL	32.59	Ordinary	(6,157)	(6,157)
15-Sep-2020	The Vanguard Group, Inc.	SELL	32.64	Ordinary	(58)	(58)
15-Sep-2020	The Vanguard Group, Inc.	SELL	32.44	Ordinary	(4,283)	(4,283)
16-Sep-2020	The Vanguard Group, Inc.	BUY	32.54	Ordinary	384	384
16-Sep-2020	The Vanguard Group, Inc.	BUY	32.54	Ordinary	628	628
17-Sep-2020	The Vanguard Group, Inc.	BUY	32.57	Ordinary	223	223
17-Sep-2020	The Vanguard Group, Inc.	BUY	32.57	Ordinary	154	154
17-Sep-2020	The Vanguard Group, Inc.	SELL	32.57	Ordinary	(8,775)	(8,775)
18-Sep-2020	The Vanguard Group, Inc.	SELL	32.43	Ordinary	(2,930)	(2,930)
18-Sep-2020	The Vanguard Group, Inc.	SELL	32.43	Ordinary	(209)	(209)
18-Sep-2020	The Vanguard Group, Inc.	BUY	32.52	Ordinary	81	81
18-Sep-2020	The Vanguard Group, Inc.	SELL	32.41	Ordinary	(1,926)	(1,926)
18-Sep-2020	The Vanguard Group, Inc.	SELL	32.43	Ordinary	(1,233)	(1,233)
18-Sep-2020	The Vanguard Group, Inc.	BUY	32.29	Ordinary	314	314
21-Sep-2020	The Vanguard Group, Inc.	SELL	32.93	Ordinary	(4,214)	(4,214)
22-Sep-2020	The Vanguard Group, Inc.	BUY	33.43	Ordinary	622	622
23-Sep-2020	The Vanguard Group, Inc.	SELL	33.68	Ordinary	(296)	(296)
23-Sep-2020	The Vanguard Group, Inc.	BUY	33.91	Ordinary	205	205
24-Sep-2020	The Vanguard Group, Inc.	SELL	33.74	Ordinary	(9,199)	(9,199)
25-Sep-2020	The Vanguard Group, Inc.	BUY	33.75	Ordinary	576	576
29-Sep-2020	The Vanguard Group, Inc.	SELL	33.69	Ordinary	(193,883)	(193,883)
29-Sep-2020	The Vanguard Group, Inc.	BUY	33.69	Ordinary	193,883	193,883
29-Sep-2020	The Vanguard Group, Inc.	SELL	33.78	Ordinary	(35,150)	(35,150)
29-Sep-2020	The Vanguard Group, Inc.	SELL	33.81	Ordinary	(2,832)	(2,832)
30-Sep-2020	The Vanguard Group, Inc.	BUY	33.16	Ordinary	228	228
30-Sep-2020	The Vanguard Group, Inc.	SELL	33.16	Ordinary	(211)	(211)
2-Oct-2020	The Vanguard Group, Inc.	BUY	33.12	Ordinary	148	148
2-Oct-2020	The Vanguard Group, Inc.	BUY	33.37	Ordinary	74	74
2-Oct-2020	The Vanguard Group, Inc.	BUY	33.22	Ordinary	3,372	3,372
5-Oct-2020	The Vanguard Group, Inc.	BUY	33.81	Ordinary	384	384
5-Oct-2020	The Vanguard Group, Inc.	BUY	33.67	Ordinary	1,806	1,806
6-Oct-2020	The Vanguard Group, Inc.	BUY	33.53	Ordinary	576	576
6-Oct-2020	The Vanguard Group, Inc.	BUY	33.74	Ordinary	208	208
6-Oct-2020	The Vanguard Group, Inc.	BUY	33.53	Ordinary	311	311
7-Oct-2020	The Vanguard Group, Inc.	BUY	34.02	Ordinary	680	680
9-Oct-2020	The Vanguard Group, Inc.	BUY	34.52	Ordinary	5,850	5,850
9-Oct-2020	The Vanguard Group, Inc.	BUY	34.52	Ordinary	384	384
9-Oct-2020	The Vanguard Group, Inc.	BUY	34.52	Ordinary	576	576
9-Oct-2020	The Vanguard Group, Inc.	BUY	34.52	Ordinary	7,306	7,306
9-Oct-2020	The Vanguard Group, Inc.	BUY	34.52	Ordinary	2,810	2,810
9-Oct-2020	The Vanguard Group, Inc.	BUY	34.52	Ordinary	2,150	2,150
12-Oct-2020	The Vanguard Group, Inc.	BUY	34.38	Ordinary	8,566	8,566
12-Oct-2020	The Vanguard Group, Inc.	BUY	34.38	Ordinary	861	861
13-Oct-2020	The Vanguard Group, Inc.	BUY	34.70	Ordinary	208	208
13-Oct-2020	The Vanguard Group, Inc.	SELL	34.70	Ordinary	(5,210)	(5,210)
14-Oct-2020	The Vanguard Group, Inc.	SELL	35.59	Ordinary	(275)	(275)
14-Oct-2020	The Vanguard Group, Inc.	SELL	35.50	Ordinary	(5,032)	(5,032)
16-Oct-2020	The Vanguard Group, Inc.	BUY	36.40	Ordinary	115	115
19-Oct-2020	The Vanguard Group, Inc.	BUY	36.75	Ordinary	416	416
21-Oct-2020	The Vanguard Group, Inc.	BUY	36.07	Ordinary	1,362	1,362
21-Oct-2020	The Vanguard Group, Inc.	SELL	36.07	Ordinary	(3,737)	(3,737)

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22-Oct-2020	The Vanguard Group, Inc.	BUY	36.55	Ordinary	241	241
23-Oct-2020	The Vanguard Group, Inc.	SELL	36.40	Ordinary	(705)	(705)
27-Oct-2020	The Vanguard Group, Inc.	BUY	35.84	Ordinary	1,806	1,806
28-Oct-2020	The Vanguard Group, Inc.	SELL	35.38	Ordinary	(115)	(115)
28-Oct-2020	The Vanguard Group, Inc.	BUY	35.76	Ordinary	622	622
29-Oct-2020	The Vanguard Group, Inc.	SELL	35.91	Ordinary	(50,504)	(50,504)
29-Oct-2020	The Vanguard Group, Inc.	BUY	36.08	Ordinary	311	311
30-Oct-2020	The Vanguard Group, Inc.	BUY	34.85	Ordinary	192	192
30-Oct-2020	The Vanguard Group, Inc.	BUY	34.82	Ordinary	2,496	2,496
2-Nov-2020	The Vanguard Group, Inc.	BUY	34.94	Ordinary	384	384
2-Nov-2020	The Vanguard Group, Inc.	BUY	34.92	Ordinary	2,496	2,496
2-Nov-2020	The Vanguard Group, Inc.	BUY	34.92	Ordinary	241	241
2-Nov-2020	The Vanguard Group, Inc.	BUY	34.92	Ordinary	1,392	1,392
2-Nov-2020	The Vanguard Group, Inc.	BUY	34.77	Ordinary	179	179
3-Nov-2020	The Vanguard Group, Inc.	BUY	35.56	Ordinary	1,152	1,152
3-Nov-2020	The Vanguard Group, Inc.	BUY	35.56	Ordinary	933	933
4-Nov-2020	The Vanguard Group, Inc.	BUY	35.80	Ordinary	384	384
5-Nov-2020	The Vanguard Group, Inc.	BUY	36.16	Ordinary	6,085	6,085
5-Nov-2020	The Vanguard Group, Inc.	BUY	36.16	Ordinary	730	730
6-Nov-2020	The Vanguard Group, Inc.	BUY	35.90	Ordinary	208	208
9-Nov-2020	The Vanguard Group, Inc.	BUY	36.75	Ordinary	834	834
10-Nov-2020	The Vanguard Group, Inc.	SELL	36.58	Ordinary	(18,591)	(18,591)
10-Nov-2020	The Vanguard Group, Inc.	SELL	34.60	Ordinary	(1,456)	(1,456)
11-Nov-2020	The Vanguard Group, Inc.	SELL	34.60	Ordinary	(72)	(72)
11-Nov-2020	The Vanguard Group, Inc.	SELL	34.07	Ordinary	(746)	(746)
12-Nov-2020	The Vanguard Group, Inc.	BUY	34.30	Ordinary	242	242
13-Nov-2020	The Vanguard Group, Inc.	BUY	34.30	Ordinary	3,879	3,879
16-Nov-2020	The Vanguard Group, Inc.	BUY	34.67	Ordinary	2,080	2,080
16-Nov-2020	The Vanguard Group, Inc.	BUY	34.67	Ordinary	622	622
17-Nov-2020	The Vanguard Group, Inc.	BUY	34.35	Ordinary	1,248	1,248
17-Nov-2020	The Vanguard Group, Inc.	BUY	34.24	Ordinary	7,045	7,045
17-Nov-2020	The Vanguard Group, Inc.	BUY	34.24	Ordinary	123	123
18-Nov-2020	The Vanguard Group, Inc.	BUY	34.39	Ordinary	622	622
19-Nov-2020	The Vanguard Group, Inc.	BUY	34.25	Ordinary	124	124
20-Nov-2020	The Vanguard Group, Inc.	BUY	33.80	Ordinary	841	841
20-Nov-2020	The Vanguard Group, Inc.	BUY	33.80	Ordinary	1,614	1,614
24-Nov-2020	The Vanguard Group, Inc.	BUY	33.28	Ordinary	243	243
25-Nov-2020	The Vanguard Group, Inc.	BUY	32.76	Ordinary	208	208
25-Nov-2020	The Vanguard Group, Inc.	BUY	32.76	Ordinary	792	792
26-Nov-2020	The Vanguard Group, Inc.	BUY	33.10	Ordinary	1,806	1,806
27-Nov-2020	The Vanguard Group, Inc.	SELL	33.26	Ordinary	(35,694)	(35,694)
30-Nov-2020	The Vanguard Group, Inc.	BUY	32.94	Ordinary	242	242
1-Dec-2020	The Vanguard Group, Inc.	BUY	33.24	Ordinary	208	208
1-Dec-2020	The Vanguard Group, Inc.	BUY	33.24	Ordinary	416	416
1-Dec-2020	The Vanguard Group, Inc.	BUY	33.24	Ordinary	813	813
1-Dec-2020	The Vanguard Group, Inc.	BUY	33.13	Ordinary	2,121	2,121
2-Dec-2020	The Vanguard Group, Inc.	BUY	33.17	Ordinary	3,800	3,800
3-Dec-2020	The Vanguard Group, Inc.	BUY	32.84	Ordinary	3,750	3,750
4-Dec-2020	The Vanguard Group, Inc.	BUY	32.42	Ordinary	246	246
7-Dec-2020	The Vanguard Group, Inc.	BUY	31.71	Ordinary	903	903
7-Dec-2020	The Vanguard Group, Inc.	BUY	31.72	Ordinary	945	945
7-Dec-2020	The Vanguard Group, Inc.	BUY	31.72	Ordinary	630	630
8-Dec-2020	The Vanguard Group, Inc.	BUY	32.30	Ordinary	3,960	3,960
8-Dec-2020	The Vanguard Group, Inc.	BUY	32.30	Ordinary	780	780
8-Dec-2020	The Vanguard Group, Inc.	SELL	31.80	Ordinary	(46,455)	(46,455)
9-Dec-2020	The Vanguard Group, Inc.	BUY	32.77	Ordinary	1,320	1,320
10-Dec-2020	The Vanguard Group, Inc.	SELL	32.76	Ordinary	(34)	(34)
10-Dec-2020	The Vanguard Group, Inc.	BUY	32.95	Ordinary	1,040	1,040
11-Dec-2020	The Vanguard Group, Inc.	SELL	32.77	Ordinary	(12,048)	(12,048)
11-Dec-2020	The Vanguard Group, Inc.	BUY	32.77	Ordinary	1,560	1,560
11-Dec-2020	The Vanguard Group, Inc.	BUY	32.77	Ordinary	945	945
14-Dec-2020	The Vanguard Group, Inc.	BUY	32.54	Ordinary	496	496
15-Dec-2020	The Vanguard Group, Inc.	BUY	33.11	Ordinary	3,080	3,080
16-Dec-2020	The Vanguard Group, Inc.	BUY	32.90	Ordinary	903	903
16-Dec-2020	The Vanguard Group, Inc.	BUY	32.90	Ordinary	244	244
17-Dec-2020	The Vanguard Group, Inc.	SELL	33.47	Ordinary	(9,529)	(9,529)
18-Dec-2020	The Vanguard Group, Inc.	SELL	33.38	Ordinary	(5,694)	(5,694)
18-Dec-2020	The Vanguard Group, Inc.	BUY	33.40	Ordinary	898	898

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18-Dec-2020	The Vanguard Group, Inc.	BUY	33.38	Ordinary	1,374	1,374
18-Dec-2020	The Vanguard Group, Inc.	BUY	33.38	Ordinary	1,251	1,251
18-Dec-2020	The Vanguard Group, Inc.	SELL	33.38	Ordinary	(19,115)	(19,115)
18-Dec-2020	The Vanguard Group, Inc.	SELL	33.38	Ordinary	(5,503)	(5,503)
18-Dec-2020	The Vanguard Group, Inc.	BUY	33.34	Ordinary	1,416	1,416
18-Dec-2020	The Vanguard Group, Inc.	BUY	33.34	Ordinary	354	354
21-Dec-2020	The Vanguard Group, Inc.	BUY	33.50	Ordinary	898	898
21-Dec-2020	The Vanguard Group, Inc.	SELL	33.50	Ordinary	(6,774)	(6,774)
22-Dec-2020	The Vanguard Group, Inc.	BUY	33.36	Ordinary	1,416	1,416
22-Dec-2020	The Vanguard Group, Inc.	BUY	33.36	Ordinary	2,200	2,200
23-Dec-2020	The Vanguard Group, Inc.	SELL	33.33	Ordinary	(33,787)	(33,787)
23-Dec-2020	The Vanguard Group, Inc.	SELL	33.28	Ordinary	(1,815)	(1,815)
23-Dec-2020	The Vanguard Group, Inc.	BUY	33.28	Ordinary	5,516	5,516
23-Dec-2020	The Vanguard Group, Inc.	BUY	33.28	Ordinary	1,474	1,474
24-Dec-2020	The Vanguard Group, Inc.	BUY	33.34	Ordinary	8,592	8,592
24-Dec-2020	The Vanguard Group, Inc.	BUY	33.32	Ordinary	261	261
24-Dec-2020	The Vanguard Group, Inc.	BUY	33.32	Ordinary	898	898
29-Dec-2020	The Vanguard Group, Inc.	BUY	33.19	Ordinary	2,963	2,963
29-Dec-2020	The Vanguard Group, Inc.	BUY	33.19	Ordinary	3,951	3,951
29-Dec-2020	The Vanguard Group, Inc.	BUY	33.03	Ordinary	628	628
30-Dec-2020	The Vanguard Group, Inc.	SELL	32.85	Ordinary	(30,357)	(30,357)
30-Dec-2020	The Vanguard Group, Inc.	SELL	32.85	Ordinary	(15,872)	(15,872)
30-Dec-2020	The Vanguard Group, Inc.	BUY	32.80	Ordinary	192	192
30-Dec-2020	The Vanguard Group, Inc.	BUY	32.80	Ordinary	314	314
30-Dec-2020	The Vanguard Group, Inc.	BUY	32.85	Ordinary	5,237	5,237
30-Dec-2020	The Vanguard Group, Inc.	BUY	32.85	Ordinary	522	522
30-Dec-2020	The Vanguard Group, Inc.	SELL	32.85	Ordinary	(5,563)	(5,563)
30-Dec-2020	The Vanguard Group, Inc.	SELL	32.14	Ordinary	(6,706)	(6,706)
31-Dec-2020	The Vanguard Group, Inc.	BUY	32.14	Ordinary	6,706	6,706
31-Dec-2020	The Vanguard Group, Inc.	BUY	32.15	Ordinary	551	551
5-Jan-2021	The Vanguard Group, Inc.	BUY	33.10	Ordinary	2,124	2,124
5-Jan-2021	The Vanguard Group, Inc.	BUY	33.10	Ordinary	1,300	1,300
5-Jan-2021	The Vanguard Group, Inc.	BUY	33.10	Ordinary	1,560	1,560
5-Jan-2021	The Vanguard Group, Inc.	SELL	32.52	Ordinary	(286)	(286)
5-Jan-2021	The Vanguard Group, Inc.	BUY	33.06	Ordinary	901	901
6-Jan-2021	The Vanguard Group, Inc.	BUY	33.16	Ordinary	1,760	1,760
6-Jan-2021	The Vanguard Group, Inc.	SELL	32.63	Ordinary	(16,960)	(16,960)
6-Jan-2021	The Vanguard Group, Inc.	SELL	32.63	Ordinary	(90)	(90)
6-Jan-2021	The Vanguard Group, Inc.	BUY	32.98	Ordinary	261	261
7-Jan-2021	The Vanguard Group, Inc.	BUY	33.31	Ordinary	8,850	8,850
7-Jan-2021	The Vanguard Group, Inc.	BUY	33.31	Ordinary	1,040	1,040
7-Jan-2021	The Vanguard Group, Inc.	BUY	33.31	Ordinary	7,920	7,920
7-Jan-2021	The Vanguard Group, Inc.	BUY	33.31	Ordinary	384	384
7-Jan-2021	The Vanguard Group, Inc.	BUY	33.35	Ordinary	3,914	3,914
7-Jan-2021	The Vanguard Group, Inc.	BUY	33.17	Ordinary	243	243
8-Jan-2021	The Vanguard Group, Inc.	BUY	33.96	Ordinary	5,310	5,310
8-Jan-2021	The Vanguard Group, Inc.	BUY	33.96	Ordinary	2,080	2,080
8-Jan-2021	The Vanguard Group, Inc.	BUY	33.92	Ordinary	2,871	2,871
8-Jan-2021	The Vanguard Group, Inc.	BUY	33.92	Ordinary	906	906
8-Jan-2021	The Vanguard Group, Inc.	BUY	33.92	Ordinary	3,654	3,654
8-Jan-2021	The Vanguard Group, Inc.	BUY	33.96	Ordinary	6,528	6,528
11-Jan-2021	The Vanguard Group, Inc.	BUY	33.54	Ordinary	901	901
12-Jan-2021	The Vanguard Group, Inc.	BUY	33.54	Ordinary	1,320	1,320
12-Jan-2021	The Vanguard Group, Inc.	BUY	33.54	Ordinary	3,520	3,520
12-Jan-2021	The Vanguard Group, Inc.	SELL	33.55	Ordinary	(24,747)	(24,747)
12-Jan-2021	The Vanguard Group, Inc.	BUY	33.50	Ordinary	261	261
12-Jan-2021	The Vanguard Group, Inc.	BUY	33.50	Ordinary	115	115
12-Jan-2021	The Vanguard Group, Inc.	BUY	33.47	Ordinary	1,467	1,467
13-Jan-2021	The Vanguard Group, Inc.	BUY	33.59	Ordinary	1,300	1,300
13-Jan-2021	The Vanguard Group, Inc.	BUY	33.59	Ordinary	942	942
13-Jan-2021	The Vanguard Group, Inc.	BUY	33.59	Ordinary	942	942
13-Jan-2021	The Vanguard Group, Inc.	BUY	33.56	Ordinary	261	261
13-Jan-2021	The Vanguard Group, Inc.	BUY	33.59	Ordinary	3,808	3,808
14-Jan-2021	The Vanguard Group, Inc.	BUY	33.82	Ordinary	1,062	1,062
14-Jan-2021	The Vanguard Group, Inc.	BUY	33.82	Ordinary	1,040	1,040
14-Jan-2021	The Vanguard Group, Inc.	BUY	33.82	Ordinary	628	628
14-Jan-2021	The Vanguard Group, Inc.	BUY	33.83	Ordinary	244	244
14-Jan-2021	The Vanguard Group, Inc.	SELL	33.83	Ordinary	(2,371)	(2,371)

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
15-Jan-2021	The Vanguard Group, Inc.	BUY	33.68	Ordinary	1,570	1,570
18-Jan-2021	The Vanguard Group, Inc.	BUY	33.66	Ordinary	901	901
18-Jan-2021	The Vanguard Group, Inc.	BUY	33.73	Ordinary	6,875	6,875
18-Jan-2021	The Vanguard Group, Inc.	BUY	33.73	Ordinary	122	122
19-Jan-2021	The Vanguard Group, Inc.	BUY	34.26	Ordinary	261	261
19-Jan-2021	The Vanguard Group, Inc.	BUY	34.26	Ordinary	9,347	9,347
20-Jan-2021	The Vanguard Group, Inc.	BUY	34.20	Ordinary	1,452	1,452
20-Jan-2021	The Vanguard Group, Inc.	SELL	34.20	Ordinary	(1,175)	(1,175)
20-Jan-2021	The Vanguard Group, Inc.	BUY	34.14	Ordinary	114	114
21-Jan-2021	The Vanguard Group, Inc.	BUY	34.80	Ordinary	3,960	3,960
21-Jan-2021	The Vanguard Group, Inc.	BUY	34.80	Ordinary	2,176	2,176
22-Jan-2021	The Vanguard Group, Inc.	BUY	35.14	Ordinary	384	384
22-Jan-2021	The Vanguard Group, Inc.	SELL	34.85	Ordinary	(69)	(69)
22-Jan-2021	The Vanguard Group, Inc.	BUY	35.10	Ordinary	522	522
22-Jan-2021	The Vanguard Group, Inc.	BUY	35.10	Ordinary	1,800	1,800
22-Jan-2021	The Vanguard Group, Inc.	BUY	35.10	Ordinary	5,359	5,359
22-Jan-2021	The Vanguard Group, Inc.	BUY	34.85	Ordinary	408	408
25-Jan-2021	The Vanguard Group, Inc.	BUY	35.51	Ordinary	4,896	4,896
27-Jan-2021	The Vanguard Group, Inc.	SELL	34.04	Ordinary	(43,320)	(43,320)
27-Jan-2021	The Vanguard Group, Inc.	BUY	34.26	Ordinary	901	901
27-Jan-2021	The Vanguard Group, Inc.	BUY	34.36	Ordinary	1,430	1,430
27-Jan-2021	The Vanguard Group, Inc.	BUY	34.26	Ordinary	1,586	1,586
27-Jan-2021	The Vanguard Group, Inc.	SELL	34.04	Ordinary	(2,637)	(2,637)
27-Jan-2021	The Vanguard Group, Inc.	BUY	34.35	Ordinary	9,370	9,370
28-Jan-2021	The Vanguard Group, Inc.	BUY	34.07	Ordinary	384	384
28-Jan-2021	The Vanguard Group, Inc.	SELL	33.50	Ordinary	(161)	(161)
28-Jan-2021	The Vanguard Group, Inc.	BUY	34.07	Ordinary	942	942
28-Jan-2021	The Vanguard Group, Inc.	BUY	34.07	Ordinary	628	628
28-Jan-2021	The Vanguard Group, Inc.	BUY	34.04	Ordinary	261	261
28-Jan-2021	The Vanguard Group, Inc.	BUY	34.04	Ordinary	5,624	5,624
28-Jan-2021	The Vanguard Group, Inc.	BUY	34.07	Ordinary	3,264	3,264
29-Jan-2021	The Vanguard Group, Inc.	BUY	34.20	Ordinary	1,770	1,770
29-Jan-2021	The Vanguard Group, Inc.	BUY	34.20	Ordinary	1,320	1,320
29-Jan-2021	The Vanguard Group, Inc.	BUY	34.37	Ordinary	522	522
29-Jan-2021	The Vanguard Group, Inc.	BUY	34.37	Ordinary	947	947
29-Jan-2021	The Vanguard Group, Inc.	BUY	34.20	Ordinary	3,264	3,264
1-Feb-2021	The Vanguard Group, Inc.	SELL	34.71	Ordinary	(2,349)	(2,349)
1-Feb-2021	The Vanguard Group, Inc.	BUY	34.71	Ordinary	933	933
3-Feb-2021	The Vanguard Group, Inc.	BUY	35.90	Ordinary	576	576
3-Feb-2021	The Vanguard Group, Inc.	SELL	35.73	Ordinary	(188)	(188)
3-Feb-2021	The Vanguard Group, Inc.	BUY	35.90	Ordinary	222	222
4-Feb-2021	The Vanguard Group, Inc.	BUY	35.26	Ordinary	726	726
4-Feb-2021	The Vanguard Group, Inc.	SELL	35.26	Ordinary	(3,727)	(3,727)
4-Feb-2021	The Vanguard Group, Inc.	BUY	35.46	Ordinary	3,264	3,264
5-Feb-2021	The Vanguard Group, Inc.	BUY	34.87	Ordinary	960	960
5-Feb-2021	The Vanguard Group, Inc.	BUY	34.87	Ordinary	576	576
5-Feb-2021	The Vanguard Group, Inc.	BUY	34.93	Ordinary	261	261
5-Feb-2021	The Vanguard Group, Inc.	SELL	35.75	Ordinary	(1,383)	(1,383)
8-Feb-2021	The Vanguard Group, Inc.	BUY	34.78	Ordinary	628	628
8-Feb-2021	The Vanguard Group, Inc.	SELL	34.78	Ordinary	(7,221)	(7,221)
10-Feb-2021	The Vanguard Group, Inc.	BUY	34.26	Ordinary	708	708
10-Feb-2021	The Vanguard Group, Inc.	BUY	34.26	Ordinary	1,760	1,760
10-Feb-2021	The Vanguard Group, Inc.	BUY	34.26	Ordinary	6,160	6,160
10-Feb-2021	The Vanguard Group, Inc.	BUY	34.26	Ordinary	384	384
10-Feb-2021	The Vanguard Group, Inc.	BUY	34.36	Ordinary	522	522
10-Feb-2021	The Vanguard Group, Inc.	BUY	34.36	Ordinary	934	934
10-Feb-2021	The Vanguard Group, Inc.	BUY	34.26	Ordinary	1,632	1,632
11-Feb-2021	The Vanguard Group, Inc.	BUY	34.29	Ordinary	2,832	2,832
11-Feb-2021	The Vanguard Group, Inc.	BUY	34.29	Ordinary	1,760	1,760
11-Feb-2021	The Vanguard Group, Inc.	BUY	34.29	Ordinary	768	768
11-Feb-2021	The Vanguard Group, Inc.	BUY	34.29	Ordinary	1,256	1,256
11-Feb-2021	The Vanguard Group, Inc.	BUY	34.31	Ordinary	261	261
11-Feb-2021	The Vanguard Group, Inc.	BUY	34.31	Ordinary	6,410	6,410
11-Feb-2021	The Vanguard Group, Inc.	BUY	34.29	Ordinary	4,352	4,352
12-Feb-2021	The Vanguard Group, Inc.	BUY	34.44	Ordinary	1,770	1,770
12-Feb-2021	The Vanguard Group, Inc.	BUY	34.44	Ordinary	1,320	1,320
12-Feb-2021	The Vanguard Group, Inc.	BUY	34.44	Ordinary	576	576
12-Feb-2021	The Vanguard Group, Inc.	BUY	34.29	Ordinary	261	261

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12-Feb-2021	The Vanguard Group, Inc.	BUY	34.44	Ordinary	4,896	4,896
16-Feb-2021	The Vanguard Group, Inc.	BUY	34.26	Ordinary	954	954
16-Feb-2021	The Vanguard Group, Inc.	BUY	34.26	Ordinary	984	984
16-Feb-2021	The Vanguard Group, Inc.	SELL	34.26	Ordinary	(376)	(376)
17-Feb-2021	The Vanguard Group, Inc.	BUY	33.58	Ordinary	116	116
18-Feb-2021	The Vanguard Group, Inc.	BUY	33.30	Ordinary	7,548	7,548
18-Feb-2021	The Vanguard Group, Inc.	BUY	33.97	Ordinary	261	261
18-Feb-2021	The Vanguard Group, Inc.	BUY	33.97	Ordinary	3,827	3,827
18-Feb-2021	The Vanguard Group, Inc.	BUY	33.30	Ordinary	126	126
19-Feb-2021	The Vanguard Group, Inc.	BUY	34.07	Ordinary	1,770	1,770
19-Feb-2021	The Vanguard Group, Inc.	BUY	34.22	Ordinary	522	522
22-Feb-2021	The Vanguard Group, Inc.	SELL	33.24	Ordinary	(10,511)	(10,511)
22-Feb-2021	The Vanguard Group, Inc.	SELL	33.23	Ordinary	(1,810)	(1,810)
22-Feb-2021	The Vanguard Group, Inc.	BUY	33.23	Ordinary	761	761
23-Feb-2021	The Vanguard Group, Inc.	BUY	33.04	Ordinary	942	942
23-Feb-2021	The Vanguard Group, Inc.	BUY	33.04	Ordinary	628	628
23-Feb-2021	The Vanguard Group, Inc.	SELL	33.05	Ordinary	(2,607)	(2,607)
24-Feb-2021	The Vanguard Group, Inc.	BUY	32.94	Ordinary	384	384
24-Feb-2021	The Vanguard Group, Inc.	BUY	32.94	Ordinary	628	628
24-Feb-2021	The Vanguard Group, Inc.	BUY	32.86	Ordinary	261	261
24-Feb-2021	The Vanguard Group, Inc.	BUY	32.86	Ordinary	245	245
25-Feb-2021	The Vanguard Group, Inc.	BUY	32.85	Ordinary	3,768	3,768
25-Feb-2021	The Vanguard Group, Inc.	BUY	33.06	Ordinary	261	261
25-Feb-2021	The Vanguard Group, Inc.	SELL	33.06	Ordinary	(12,745)	(12,745)
25-Feb-2021	The Vanguard Group, Inc.	BUY	33.06	Ordinary	212	212
25-Feb-2021	The Vanguard Group, Inc.	BUY	33.06	Ordinary	9	9
26-Feb-2021	The Vanguard Group, Inc.	BUY	31.73	Ordinary	76	76
26-Feb-2021	The Vanguard Group, Inc.	BUY	31.73	Ordinary	261	261
26-Feb-2021	The Vanguard Group, Inc.	SELL	31.73	Ordinary	(10,465)	(10,465)
1-Mar-2021	The Vanguard Group, Inc.	BUY	31.93	Ordinary	3,120	3,120
1-Mar-2021	The Vanguard Group, Inc.	BUY	31.93	Ordinary	384	384
1-Mar-2021	The Vanguard Group, Inc.	BUY	31.93	Ordinary	628	628
1-Mar-2021	The Vanguard Group, Inc.	BUY	31.85	Ordinary	1,305	1,305
1-Mar-2021	The Vanguard Group, Inc.	BUY	31.85	Ordinary	246	246
2-Mar-2021	The Vanguard Group, Inc.	BUY	31.75	Ordinary	576	576
2-Mar-2021	The Vanguard Group, Inc.	BUY	31.76	Ordinary	261	261
2-Mar-2021	The Vanguard Group, Inc.	BUY	31.76	Ordinary	149	149
3-Mar-2021	The Vanguard Group, Inc.	SELL	31.96	Ordinary	(155)	(155)
3-Mar-2021	The Vanguard Group, Inc.	BUY	31.83	Ordinary	986	986
3-Mar-2021	The Vanguard Group, Inc.	BUY	31.83	Ordinary	904	904
4-Mar-2021	The Vanguard Group, Inc.	BUY	31.27	Ordinary	628	628
4-Mar-2021	The Vanguard Group, Inc.	BUY	31.42	Ordinary	269	269
4-Mar-2021	The Vanguard Group, Inc.	BUY	31.33	Ordinary	14,486	14,486
5-Mar-2021	The Vanguard Group, Inc.	BUY	31.67	Ordinary	576	576
5-Mar-2021	The Vanguard Group, Inc.	BUY	31.32	Ordinary	261	261
8-Mar-2021	The Vanguard Group, Inc.	BUY	31.15	Ordinary	628	628
8-Mar-2021	The Vanguard Group, Inc.	SELL	31.03	Ordinary	(19,259)	(19,259)
9-Mar-2021	The Vanguard Group, Inc.	BUY	30.62	Ordinary	1,416	1,416
9-Mar-2021	The Vanguard Group, Inc.	BUY	30.62	Ordinary	1,560	1,560
9-Mar-2021	The Vanguard Group, Inc.	BUY	30.62	Ordinary	4,400	4,400
9-Mar-2021	The Vanguard Group, Inc.	SELL	30.94	Ordinary	(39,814)	(39,814)
9-Mar-2021	The Vanguard Group, Inc.	BUY	30.62	Ordinary	384	384
9-Mar-2021	The Vanguard Group, Inc.	BUY	30.70	Ordinary	494	494
9-Mar-2021	The Vanguard Group, Inc.	BUY	30.93	Ordinary	12,725	12,725
10-Mar-2021	The Vanguard Group, Inc.	BUY	30.56	Ordinary	1,300	1,300
10-Mar-2021	The Vanguard Group, Inc.	SELL	30.76	Ordinary	(50,632)	(50,632)
10-Mar-2021	The Vanguard Group, Inc.	SELL	30.80	Ordinary	(20,000)	(20,000)
10-Mar-2021	The Vanguard Group, Inc.	BUY	30.55	Ordinary	783	783
10-Mar-2021	The Vanguard Group, Inc.	BUY	30.81	Ordinary	1,920	1,920
11-Mar-2021	The Vanguard Group, Inc.	BUY	30.62	Ordinary	2,478	2,478
11-Mar-2021	The Vanguard Group, Inc.	BUY	30.62	Ordinary	3,380	3,380
11-Mar-2021	The Vanguard Group, Inc.	BUY	30.49	Ordinary	269	269
12-Mar-2021	The Vanguard Group, Inc.	BUY	31.28	Ordinary	4,609	4,609
15-Mar-2021	The Vanguard Group, Inc.	BUY	31.54	Ordinary	384	384
16-Mar-2021	The Vanguard Group, Inc.	BUY	32.26	Ordinary	628	628
16-Mar-2021	The Vanguard Group, Inc.	BUY	32.36	Ordinary	261	261
16-Mar-2021	The Vanguard Group, Inc.	BUY	32.36	Ordinary	741	741
17-Mar-2021	The Vanguard Group, Inc.	BUY	32.54	Ordinary	1,820	1,820

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17-Mar-2021	The Vanguard Group, Inc.	SELL	32.56	Ordinary	(907)	(907)
17-Mar-2021	The Vanguard Group, Inc.	SELL	32.56	Ordinary	(5,096)	(5,096)
18-Mar-2021	The Vanguard Group, Inc.	SELL	32.35	Ordinary	(970)	(970)
19-Mar-2021	The Vanguard Group, Inc.	SELL	32.67	Ordinary	(7,586)	(7,586)
19-Mar-2021	The Vanguard Group, Inc.	SELL	32.67	Ordinary	(970)	(970)
19-Mar-2021	The Vanguard Group, Inc.	BUY	32.68	Ordinary	480	480
19-Mar-2021	The Vanguard Group, Inc.	SELL	32.67	Ordinary	(1,650)	(1,650)
19-Mar-2021	The Vanguard Group, Inc.	SELL	32.36	Ordinary	(12,438)	(12,438)
19-Mar-2021	The Vanguard Group, Inc.	BUY	32.68	Ordinary	239	239
19-Mar-2021	The Vanguard Group, Inc.	SELL	32.68	Ordinary	(1,992)	(1,992)
19-Mar-2021	The Vanguard Group, Inc.	SELL	32.67	Ordinary	(19,202)	(19,202)
22-Mar-2021	The Vanguard Group, Inc.	BUY	33.69	Ordinary	708	708
22-Mar-2021	The Vanguard Group, Inc.	BUY	33.69	Ordinary	768	768
22-Mar-2021	The Vanguard Group, Inc.	BUY	33.72	Ordinary	319	319
23-Mar-2021	The Vanguard Group, Inc.	BUY	34.91	Ordinary	241	241
23-Mar-2021	The Vanguard Group, Inc.	BUY	34.91	Ordinary	244	244
24-Mar-2021	The Vanguard Group, Inc.	BUY	35.06	Ordinary	1,032	1,032
25-Mar-2021	The Vanguard Group, Inc.	BUY	35.62	Ordinary	2,565	2,565
26-Mar-2021	The Vanguard Group, Inc.	BUY	35.84	Ordinary	323	323
26-Mar-2021	The Vanguard Group, Inc.	BUY	35.97	Ordinary	179	179
29-Mar-2021	The Vanguard Group, Inc.	BUY	35.45	Ordinary	3,328	3,328
29-Mar-2021	The Vanguard Group, Inc.	SELL	35.59	Ordinary	(44,239)	(44,239)
29-Mar-2021	The Vanguard Group, Inc.	BUY	35.30	Ordinary	888	888
30-Mar-2021	The Vanguard Group, Inc.	BUY	35.21	Ordinary	890	890
30-Mar-2021	The Vanguard Group, Inc.	BUY	35.21	Ordinary	234	234
30-Mar-2021	The Vanguard Group, Inc.	BUY	35.21	Ordinary	95	95
31-Mar-2021	The Vanguard Group, Inc.	BUY	35.21	Ordinary	576	576
31-Mar-2021	The Vanguard Group, Inc.	SELL	35.09	Ordinary	(12,909)	(12,909)
31-Mar-2021	The Vanguard Group, Inc.	BUY	35.21	Ordinary	5,160	5,160
1-Apr-2021	The Vanguard Group, Inc.	BUY	35.30	Ordinary	20,666	20,666
5-Apr-2021	The Vanguard Group, Inc.	BUY	35.64	Ordinary	798	798
6-Apr-2021	The Vanguard Group, Inc.	BUY	35.45	Ordinary	3,540	3,540
6-Apr-2021	The Vanguard Group, Inc.	BUY	35.45	Ordinary	3,612	3,612
7-Apr-2021	The Vanguard Group, Inc.	BUY	36.41	Ordinary	384	384
7-Apr-2021	The Vanguard Group, Inc.	BUY	36.41	Ordinary	384	384
7-Apr-2021	The Vanguard Group, Inc.	BUY	35.99	Ordinary	23,472	23,472
7-Apr-2021	The Vanguard Group, Inc.	BUY	36.31	Ordinary	323	323
7-Apr-2021	The Vanguard Group, Inc.	BUY	36.31	Ordinary	261	261
7-Apr-2021	The Vanguard Group, Inc.	BUY	36.31	Ordinary	232	232
8-Apr-2021	The Vanguard Group, Inc.	BUY	35.86	Ordinary	576	576
8-Apr-2021	The Vanguard Group, Inc.	BUY	36.49	Ordinary	17,224	17,224
8-Apr-2021	The Vanguard Group, Inc.	BUY	36.49	Ordinary	1,670	1,670
9-Apr-2021	The Vanguard Group, Inc.	BUY	35.55	Ordinary	1,992	1,992
9-Apr-2021	The Vanguard Group, Inc.	BUY	35.48	Ordinary	8,563	8,563
9-Apr-2021	The Vanguard Group, Inc.	BUY	35.48	Ordinary	2,673	2,673
9-Apr-2021	The Vanguard Group, Inc.	BUY	35.51	Ordinary	182	182
9-Apr-2021	The Vanguard Group, Inc.	BUY	35.55	Ordinary	4,360	4,360
13-Apr-2021	The Vanguard Group, Inc.	BUY	35.60	Ordinary	8,434	8,434
13-Apr-2021	The Vanguard Group, Inc.	BUY	35.55	Ordinary	3,270	3,270
13-Apr-2021	The Vanguard Group, Inc.	BUY	35.55	Ordinary	768	768
13-Apr-2021	The Vanguard Group, Inc.	BUY	35.50	Ordinary	323	323
13-Apr-2021	The Vanguard Group, Inc.	BUY	35.50	Ordinary	2,384	2,384
13-Apr-2021	The Vanguard Group, Inc.	BUY	35.50	Ordinary	233	233
13-Apr-2021	The Vanguard Group, Inc.	BUY	35.50	Ordinary	1,835	1,835
14-Apr-2021	The Vanguard Group, Inc.	BUY	35.97	Ordinary	2,478	2,478
14-Apr-2021	The Vanguard Group, Inc.	BUY	35.97	Ordinary	3,270	3,270
14-Apr-2021	The Vanguard Group, Inc.	BUY	35.97	Ordinary	532	532
15-Apr-2021	The Vanguard Group, Inc.	BUY	35.83	Ordinary	672	672
15-Apr-2021	The Vanguard Group, Inc.	BUY	35.83	Ordinary	1,772	1,772
15-Apr-2021	The Vanguard Group, Inc.	BUY	35.83	Ordinary	798	798
15-Apr-2021	The Vanguard Group, Inc.	BUY	35.75	Ordinary	48	48
15-Apr-2021	The Vanguard Group, Inc.	SELL	35.75	Ordinary	(74)	(74)
15-Apr-2021	The Vanguard Group, Inc.	BUY	35.40	Ordinary	1,233	1,233
16-Apr-2021	The Vanguard Group, Inc.	BUY	35.71	Ordinary	944	944
16-Apr-2021	The Vanguard Group, Inc.	BUY	35.71	Ordinary	16,428	16,428
19-Apr-2021	The Vanguard Group, Inc.	BUY	35.62	Ordinary	2,688	2,688
19-Apr-2021	The Vanguard Group, Inc.	BUY	35.62	Ordinary	5,450	5,450
19-Apr-2021	The Vanguard Group, Inc.	BUY	35.62	Ordinary	384	384

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
19-Apr-2021	The Vanguard Group, Inc.	BUY	35.70	Ordinary	323	323
19-Apr-2021	The Vanguard Group, Inc.	SELL	35.70	Ordinary	(440)	(440)
20-Apr-2021	The Vanguard Group, Inc.	BUY	35.81	Ordinary	532	532
20-Apr-2021	The Vanguard Group, Inc.	BUY	36.00	Ordinary	944	944
21-Apr-2021	The Vanguard Group, Inc.	SELL	35.50	Ordinary	(74)	(74)
21-Apr-2021	The Vanguard Group, Inc.	BUY	35.88	Ordinary	532	532
21-Apr-2021	The Vanguard Group, Inc.	BUY	35.72	Ordinary	271	271
21-Apr-2021	The Vanguard Group, Inc.	BUY	35.72	Ordinary	4,538	4,538
22-Apr-2021	The Vanguard Group, Inc.	BUY	36.38	Ordinary	1,344	1,344
22-Apr-2021	The Vanguard Group, Inc.	BUY	36.38	Ordinary	384	384
22-Apr-2021	The Vanguard Group, Inc.	BUY	36.48	Ordinary	72	72
23-Apr-2021	The Vanguard Group, Inc.	BUY	36.67	Ordinary	532	532
23-Apr-2021	The Vanguard Group, Inc.	BUY	36.58	Ordinary	2,888	2,888
26-Apr-2021	The Vanguard Group, Inc.	BUY	36.31	Ordinary	1,772	1,772
26-Apr-2021	The Vanguard Group, Inc.	SELL	36.43	Ordinary	(1,593)	(1,593)
26-Apr-2021	The Vanguard Group, Inc.	BUY	36.29	Ordinary	38	38
26-Apr-2021	The Vanguard Group, Inc.	BUY	36.29	Ordinary	120	120
27-Apr-2021	The Vanguard Group, Inc.	BUY	36.28	Ordinary	1,992	1,992
27-Apr-2021	The Vanguard Group, Inc.	BUY	36.29	Ordinary	14,153	14,153
27-Apr-2021	The Vanguard Group, Inc.	SELL	36.24	Ordinary	(632)	(632)
28-Apr-2021	The Vanguard Group, Inc.	BUY	36.25	Ordinary	1,416	1,416
28-Apr-2021	The Vanguard Group, Inc.	BUY	36.25	Ordinary	1,660	1,660
28-Apr-2021	The Vanguard Group, Inc.	SELL	36.25	Ordinary	(204)	(204)
29-Apr-2021	The Vanguard Group, Inc.	BUY	36.54	Ordinary	2,490	2,490
29-Apr-2021	The Vanguard Group, Inc.	SELL	36.11	Ordinary	(125)	(125)
29-Apr-2021	The Vanguard Group, Inc.	SELL	36.11	Ordinary	(1,107)	(1,107)
30-Apr-2021	The Vanguard Group, Inc.	BUY	35.88	Ordinary	7,104	7,104
30-Apr-2021	The Vanguard Group, Inc.	BUY	35.88	Ordinary	2,199	2,199
4-May-2021	The Vanguard Group, Inc.	BUY	35.47	Ordinary	9,573	9,573
4-May-2021	The Vanguard Group, Inc.	BUY	35.45	Ordinary	1,992	1,992
4-May-2021	The Vanguard Group, Inc.	BUY	35.45	Ordinary	2,822	2,822
6-May-2021	The Vanguard Group, Inc.	BUY	35.33	Ordinary	17,525	17,525
6-May-2021	The Vanguard Group, Inc.	BUY	35.20	Ordinary	576	576
6-May-2021	The Vanguard Group, Inc.	BUY	35.20	Ordinary	384	384
6-May-2021	The Vanguard Group, Inc.	SELL	35.45	Ordinary	(38)	(38)
6-May-2021	The Vanguard Group, Inc.	BUY	35.20	Ordinary	798	798
6-May-2021	The Vanguard Group, Inc.	BUY	35.13	Ordinary	255	255
6-May-2021	The Vanguard Group, Inc.	BUY	35.13	Ordinary	622	622
6-May-2021	The Vanguard Group, Inc.	SELL	35.13	Ordinary	(16,141)	(16,141)
7-May-2021	The Vanguard Group, Inc.	BUY	34.86	Ordinary	1,062	1,062
7-May-2021	The Vanguard Group, Inc.	BUY	34.86	Ordinary	4,602	4,602
7-May-2021	The Vanguard Group, Inc.	BUY	34.86	Ordinary	1,772	1,772
7-May-2021	The Vanguard Group, Inc.	BUY	34.86	Ordinary	5,810	5,810
7-May-2021	The Vanguard Group, Inc.	BUY	34.86	Ordinary	384	384
7-May-2021	The Vanguard Group, Inc.	BUY	34.86	Ordinary	532	532
7-May-2021	The Vanguard Group, Inc.	BUY	34.84	Ordinary	124	124
7-May-2021	The Vanguard Group, Inc.	SELL	34.84	Ordinary	(707)	(707)
10-May-2021	The Vanguard Group, Inc.	BUY	34.91	Ordinary	3,808	3,808
10-May-2021	The Vanguard Group, Inc.	BUY	35.13	Ordinary	1,111	1,111
11-May-2021	The Vanguard Group, Inc.	BUY	34.91	Ordinary	9,907	9,907
11-May-2021	The Vanguard Group, Inc.	BUY	34.67	Ordinary	532	532
11-May-2021	The Vanguard Group, Inc.	BUY	34.91	Ordinary	12,296	12,296
12-May-2021	The Vanguard Group, Inc.	BUY	34.15	Ordinary	1,344	1,344
12-May-2021	The Vanguard Group, Inc.	BUY	34.77	Ordinary	235	235
13-May-2021	The Vanguard Group, Inc.	SELL	34.75	Ordinary	(4,873)	(4,873)
13-May-2021	The Vanguard Group, Inc.	BUY	34.57	Ordinary	1,477	1,477
14-May-2021	The Vanguard Group, Inc.	BUY	35.50	Ordinary	1,536	1,536
14-May-2021	The Vanguard Group, Inc.	BUY	35.36	Ordinary	3,878	3,878
14-May-2021	The Vanguard Group, Inc.	BUY	35.36	Ordinary	7,373	7,373
17-May-2021	The Vanguard Group, Inc.	BUY	35.10	Ordinary	1,416	1,416
17-May-2021	The Vanguard Group, Inc.	BUY	35.10	Ordinary	284	284
17-May-2021	The Vanguard Group, Inc.	SELL	35.20	Ordinary	(14,199)	(14,199)
18-May-2021	The Vanguard Group, Inc.	BUY	34.32	Ordinary	1,062	1,062
18-May-2021	The Vanguard Group, Inc.	BUY	34.32	Ordinary	1,008	1,008
18-May-2021	The Vanguard Group, Inc.	BUY	34.32	Ordinary	384	384
18-May-2021	The Vanguard Group, Inc.	BUY	34.32	Ordinary	801	801
18-May-2021	The Vanguard Group, Inc.	BUY	34.60	Ordinary	266	266
18-May-2021	The Vanguard Group, Inc.	BUY	34.60	Ordinary	3,395	3,395

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19-May-2021	The Vanguard Group, Inc.	BUY	34.22	Ordinary	14,326	14,326
19-May-2021	The Vanguard Group, Inc.	BUY	34.16	Ordinary	8,704	8,704
19-May-2021	The Vanguard Group, Inc.	BUY	34.16	Ordinary	3,264	3,264
19-May-2021	The Vanguard Group, Inc.	BUY	34.07	Ordinary	411	411
20-May-2021	The Vanguard Group, Inc.	BUY	34.34	Ordinary	2,324	2,324
20-May-2021	The Vanguard Group, Inc.	BUY	34.34	Ordinary	534	534
20-May-2021	The Vanguard Group, Inc.	BUY	34.20	Ordinary	856	856
20-May-2021	The Vanguard Group, Inc.	BUY	34.20	Ordinary	236	236
24-May-2021	The Vanguard Group, Inc.	BUY	34.35	Ordinary	4,704	4,704
24-May-2021	The Vanguard Group, Inc.	SELL	34.32	Ordinary	(63)	(63)
24-May-2021	The Vanguard Group, Inc.	BUY	34.29	Ordinary	287	287
24-May-2021	The Vanguard Group, Inc.	BUY	34.29	Ordinary	891	891
25-May-2021	The Vanguard Group, Inc.	BUY	34.95	Ordinary	124	124
26-May-2021	The Vanguard Group, Inc.	BUY	34.67	Ordinary	1,416	1,416
27-May-2021	The Vanguard Group, Inc.	BUY	34.39	Ordinary	643	643
27-May-2021	The Vanguard Group, Inc.	SELL	34.41	Ordinary	(5,022)	(5,022)
1-Jun-2021	The Vanguard Group, Inc.	BUY	34.60	Ordinary	384	384
1-Jun-2021	The Vanguard Group, Inc.	BUY	34.60	Ordinary	534	534
1-Jun-2021	The Vanguard Group, Inc.	BUY	34.61	Ordinary	898	898
1-Jun-2021	The Vanguard Group, Inc.	BUY	34.61	Ordinary	238	238
2-Jun-2021	The Vanguard Group, Inc.	SELL	34.71	Ordinary	(2,890)	(2,890)
2-Jun-2021	The Vanguard Group, Inc.	BUY	34.24	Ordinary	12,406	12,406
2-Jun-2021	The Vanguard Group, Inc.	BUY	34.78	Ordinary	8,767	8,767
2-Jun-2021	The Vanguard Group, Inc.	BUY	34.78	Ordinary	1,263	1,263
2-Jun-2021	The Vanguard Group, Inc.	BUY	34.78	Ordinary	119	119
3-Jun-2021	The Vanguard Group, Inc.	BUY	34.97	Ordinary	3,808	3,808
3-Jun-2021	The Vanguard Group, Inc.	BUY	34.97	Ordinary	384	384
8-Jun-2021	The Vanguard Group, Inc.	BUY	35.52	Ordinary	235	235
9-Jun-2021	The Vanguard Group, Inc.	BUY	35.62	Ordinary	534	534
15-Jun-2021	The Vanguard Group, Inc.	BUY	36.47	Ordinary	768	768
15-Jun-2021	The Vanguard Group, Inc.	BUY	36.46	Ordinary	229	229
15-Jun-2021	The Vanguard Group, Inc.	BUY	36.46	Ordinary	1,008	1,008
16-Jun-2021	The Vanguard Group, Inc.	BUY	36.78	Ordinary	2,176	2,176
16-Jun-2021	The Vanguard Group, Inc.	BUY	36.78	Ordinary	534	534
17-Jun-2021	The Vanguard Group, Inc.	BUY	37.28	Ordinary	672	672
17-Jun-2021	The Vanguard Group, Inc.	BUY	37.28	Ordinary	5,440	5,440
18-Jun-2021	The Vanguard Group, Inc.	SELL	37.85	Ordinary	(7,016)	(7,016)
18-Jun-2021	The Vanguard Group, Inc.	SELL	37.85	Ordinary	(11,258)	(11,258)
18-Jun-2021	The Vanguard Group, Inc.	SELL	37.85	Ordinary	(7,310)	(7,310)
18-Jun-2021	The Vanguard Group, Inc.	SELL	37.85	Ordinary	(8,997)	(8,997)
18-Jun-2021	The Vanguard Group, Inc.	BUY	37.81	Ordinary	835	835
22-Jun-2021	The Vanguard Group, Inc.	BUY	37.91	Ordinary	1,149	1,149
22-Jun-2021	The Vanguard Group, Inc.	BUY	37.91	Ordinary	3,064	3,064
22-Jun-2021	The Vanguard Group, Inc.	BUY	37.91	Ordinary	3,204	3,204
22-Jun-2021	The Vanguard Group, Inc.	BUY	37.94	Ordinary	572	572
22-Jun-2021	The Vanguard Group, Inc.	BUY	37.94	Ordinary	239	239
23-Jun-2021	The Vanguard Group, Inc.	BUY	37.60	Ordinary	1,149	1,149
23-Jun-2021	The Vanguard Group, Inc.	BUY	37.60	Ordinary	384	384
23-Jun-2021	The Vanguard Group, Inc.	BUY	37.50	Ordinary	631	631
24-Jun-2021	The Vanguard Group, Inc.	BUY	37.57	Ordinary	4,272	4,272
29-Jun-2021	The Vanguard Group, Inc.	BUY	37.51	Ordinary	11,261	11,261
29-Jun-2021	The Vanguard Group, Inc.	BUY	38.08	Ordinary	576	576
29-Jun-2021	The Vanguard Group, Inc.	BUY	37.51	Ordinary	1,564	1,564
29-Jun-2021	The Vanguard Group, Inc.	BUY	37.88	Ordinary	146	146
29-Jun-2021	The Vanguard Group, Inc.	BUY	37.88	Ordinary	4,453	4,453
30-Jun-2021	The Vanguard Group, Inc.	BUY	38.42	Ordinary	2,670	2,670
30-Jun-2021	The Vanguard Group, Inc.	BUY	38.42	Ordinary	2,158	2,158
30-Jun-2021	The Vanguard Group, Inc.	BUY	38.49	Ordinary	9,440	9,440
1-Jul-2021	The Vanguard Group, Inc.	BUY	38.25	Ordinary	4,806	4,806
1-Jul-2021	The Vanguard Group, Inc.	BUY	38.25	Ordinary	384	384
1-Jul-2021	The Vanguard Group, Inc.	BUY	38.23	Ordinary	7,330	7,330
1-Jul-2021	The Vanguard Group, Inc.	BUY	38.23	Ordinary	343	343
2-Jul-2021	The Vanguard Group, Inc.	BUY	38.07	Ordinary	1,660	1,660
2-Jul-2021	The Vanguard Group, Inc.	BUY	38.07	Ordinary	576	576
2-Jul-2021	The Vanguard Group, Inc.	SELL	38.01	Ordinary	(34,822)	(34,822)
2-Jul-2021	The Vanguard Group, Inc.	BUY	38.06	Ordinary	578	578
2-Jul-2021	The Vanguard Group, Inc.	BUY	38.06	Ordinary	565	565
2-Jul-2021	The Vanguard Group, Inc.	BUY	38.06	Ordinary	236	236

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2-Jul-2021	The Vanguard Group, Inc.	BUY	38.06	Ordinary	6,221	6,221
5-Jul-2021	The Vanguard Group, Inc.	BUY	37.84	Ordinary	899	899
5-Jul-2021	The Vanguard Group, Inc.	BUY	37.84	Ordinary	13,117	13,117
6-Jul-2021	The Vanguard Group, Inc.	BUY	37.13	Ordinary	3,204	3,204
6-Jul-2021	The Vanguard Group, Inc.	SELL	36.96	Ordinary	(26,844)	(26,844)
7-Jul-2021	The Vanguard Group, Inc.	BUY	37.51	Ordinary	7,519	7,519
7-Jul-2021	The Vanguard Group, Inc.	BUY	37.69	Ordinary	558	558
7-Jul-2021	The Vanguard Group, Inc.	BUY	37.69	Ordinary	125	125
8-Jul-2021	The Vanguard Group, Inc.	BUY	37.58	Ordinary	1,660	1,660
8-Jul-2021	The Vanguard Group, Inc.	BUY	37.69	Ordinary	19,682	19,682
8-Jul-2021	The Vanguard Group, Inc.	BUY	37.69	Ordinary	7,219	7,219
8-Jul-2021	The Vanguard Group, Inc.	BUY	37.67	Ordinary	148	148
9-Jul-2021	The Vanguard Group, Inc.	BUY	38.25	Ordinary	3,186	3,186
9-Jul-2021	The Vanguard Group, Inc.	BUY	38.25	Ordinary	17,235	17,235
9-Jul-2021	The Vanguard Group, Inc.	BUY	38.25	Ordinary	4,272	4,272
9-Jul-2021	The Vanguard Group, Inc.	BUY	38.25	Ordinary	4,150	4,150
9-Jul-2021	The Vanguard Group, Inc.	BUY	38.25	Ordinary	5,810	5,810
9-Jul-2021	The Vanguard Group, Inc.	BUY	38.25	Ordinary	2,656	2,656
9-Jul-2021	The Vanguard Group, Inc.	BUY	37.48	Ordinary	24,526	24,526
9-Jul-2021	The Vanguard Group, Inc.	BUY	38.03	Ordinary	11,267	11,267
12-Jul-2021	The Vanguard Group, Inc.	BUY	38.15	Ordinary	2,681	2,681
12-Jul-2021	The Vanguard Group, Inc.	BUY	38.22	Ordinary	20,955	20,955
12-Jul-2021	The Vanguard Group, Inc.	BUY	38.05	Ordinary	236	236
13-Jul-2021	The Vanguard Group, Inc.	BUY	38.79	Ordinary	6,942	6,942
14-Jul-2021	The Vanguard Group, Inc.	BUY	38.84	Ordinary	16,659	16,659
14-Jul-2021	The Vanguard Group, Inc.	BUY	38.79	Ordinary	801	801
14-Jul-2021	The Vanguard Group, Inc.	BUY	38.79	Ordinary	801	801
14-Jul-2021	The Vanguard Group, Inc.	BUY	38.79	Ordinary	2,403	2,403
14-Jul-2021	The Vanguard Group, Inc.	SELL	38.79	Ordinary	(26,948)	(26,948)
14-Jul-2021	The Vanguard Group, Inc.	BUY	38.79	Ordinary	26,948	26,948
14-Jul-2021	The Vanguard Group, Inc.	BUY	38.84	Ordinary	552	552
14-Jul-2021	The Vanguard Group, Inc.	BUY	38.84	Ordinary	276	276
15-Jul-2021	The Vanguard Group, Inc.	BUY	38.89	Ordinary	528	528
15-Jul-2021	The Vanguard Group, Inc.	BUY	38.89	Ordinary	352	352
15-Jul-2021	The Vanguard Group, Inc.	BUY	38.76	Ordinary	830	830
15-Jul-2021	The Vanguard Group, Inc.	BUY	38.76	Ordinary	5,549	5,549
15-Jul-2021	The Vanguard Group, Inc.	BUY	38.76	Ordinary	131	131
15-Jul-2021	The Vanguard Group, Inc.	SELL	38.76	Ordinary	(2,453)	(2,453)
19-Jul-2021	The Vanguard Group, Inc.	BUY	39.84	Ordinary	286	286
19-Jul-2021	The Vanguard Group, Inc.	BUY	39.84	Ordinary	948	948
20-Jul-2021	The Vanguard Group, Inc.	BUY	39.59	Ordinary	279	279
21-Jul-2021	The Vanguard Group, Inc.	BUY	40.26	Ordinary	1,416	1,416
21-Jul-2021	The Vanguard Group, Inc.	BUY	40.26	Ordinary	6,408	6,408
21-Jul-2021	The Vanguard Group, Inc.	BUY	40.26	Ordinary	2,490	2,490
21-Jul-2021	The Vanguard Group, Inc.	BUY	39.96	Ordinary	17,254	17,254
21-Jul-2021	The Vanguard Group, Inc.	BUY	40.07	Ordinary	274	274
22-Jul-2021	The Vanguard Group, Inc.	BUY	39.44	Ordinary	2,298	2,298
22-Jul-2021	The Vanguard Group, Inc.	SELL	39.44	Ordinary	(2,215)	(2,215)
22-Jul-2021	The Vanguard Group, Inc.	BUY	39.44	Ordinary	528	528
22-Jul-2021	The Vanguard Group, Inc.	BUY	39.56	Ordinary	2,693	2,693
22-Jul-2021	The Vanguard Group, Inc.	SELL	39.56	Ordinary	(2,024)	(2,024)
23-Jul-2021	The Vanguard Group, Inc.	BUY	40.10	Ordinary	798	798
26-Jul-2021	The Vanguard Group, Inc.	BUY	40.15	Ordinary	9,078	9,078
26-Jul-2021	The Vanguard Group, Inc.	BUY	40.15	Ordinary	352	352
27-Jul-2021	The Vanguard Group, Inc.	BUY	39.86	Ordinary	1,532	1,532
27-Jul-2021	The Vanguard Group, Inc.	BUY	40.13	Ordinary	6,789	6,789
27-Jul-2021	The Vanguard Group, Inc.	BUY	39.88	Ordinary	919	919
27-Jul-2021	The Vanguard Group, Inc.	BUY	40.13	Ordinary	400	400
28-Jul-2021	The Vanguard Group, Inc.	BUY	39.97	Ordinary	9,958	9,958
28-Jul-2021	The Vanguard Group, Inc.	BUY	39.97	Ordinary	1,660	1,660
28-Jul-2021	The Vanguard Group, Inc.	BUY	39.97	Ordinary	1,660	1,660
28-Jul-2021	The Vanguard Group, Inc.	BUY	39.95	Ordinary	2,697	2,697
29-Jul-2021	The Vanguard Group, Inc.	BUY	40.26	Ordinary	3,544	3,544
29-Jul-2021	The Vanguard Group, Inc.	SELL	39.84	Ordinary	(350)	(350)
29-Jul-2021	The Vanguard Group, Inc.	BUY	39.89	Ordinary	6,804	6,804
29-Jul-2021	The Vanguard Group, Inc.	SELL	40.22	Ordinary	(1,960)	(1,960)
30-Jul-2021	The Vanguard Group, Inc.	BUY	40.26	Ordinary	2,490	2,490
30-Jul-2021	The Vanguard Group, Inc.	BUY	40.26	Ordinary	507	507

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30-Jul-2021	The Vanguard Group, Inc.	BUY	40.18	Ordinary	20,309	20,309
30-Jul-2021	The Vanguard Group, Inc.	BUY	40.02	Ordinary	899	899
30-Jul-2021	The Vanguard Group, Inc.	BUY	40.02	Ordinary	4,159	4,159
2-Aug-2021	The Vanguard Group, Inc.	BUY	40.16	Ordinary	2,215	2,215
2-Aug-2021	The Vanguard Group, Inc.	BUY	40.35	Ordinary	7,960	7,960
2-Aug-2021	The Vanguard Group, Inc.	SELL	40.28	Ordinary	(11,294)	(11,294)
3-Aug-2021	The Vanguard Group, Inc.	BUY	40.33	Ordinary	9,991	9,991
3-Aug-2021	The Vanguard Group, Inc.	BUY	40.62	Ordinary	338	338
3-Aug-2021	The Vanguard Group, Inc.	BUY	40.51	Ordinary	274	274
3-Aug-2021	The Vanguard Group, Inc.	BUY	40.51	Ordinary	4,473	4,473
4-Aug-2021	The Vanguard Group, Inc.	BUY	40.40	Ordinary	267	267
5-Aug-2021	The Vanguard Group, Inc.	SELL	40.72	Ordinary	(1,596)	(1,596)
6-Aug-2021	The Vanguard Group, Inc.	SELL	40.54	Ordinary	(1,800)	(1,800)
9-Aug-2021	The Vanguard Group, Inc.	BUY	40.80	Ordinary	1,946	1,946
10-Aug-2021	The Vanguard Group, Inc.	BUY	41.10	Ordinary	1,183	1,183
10-Aug-2021	The Vanguard Group, Inc.	BUY	41.06	Ordinary	7,489	7,489
11-Aug-2021	The Vanguard Group, Inc.	BUY	40.98	Ordinary	1,062	1,062
11-Aug-2021	The Vanguard Group, Inc.	BUY	41.03	Ordinary	7,999	7,999
11-Aug-2021	The Vanguard Group, Inc.	BUY	40.98	Ordinary	338	338
11-Aug-2021	The Vanguard Group, Inc.	BUY	40.98	Ordinary	534	534
11-Aug-2021	The Vanguard Group, Inc.	BUY	41.03	Ordinary	1,100	1,100
11-Aug-2021	The Vanguard Group, Inc.	BUY	41.03	Ordinary	676	676
13-Aug-2021	The Vanguard Group, Inc.	BUY	41.39	Ordinary	2,656	2,656
13-Aug-2021	The Vanguard Group, Inc.	BUY	41.39	Ordinary	4,150	4,150
13-Aug-2021	The Vanguard Group, Inc.	BUY	41.39	Ordinary	1,992	1,992
13-Aug-2021	The Vanguard Group, Inc.	BUY	41.39	Ordinary	2,988	2,988
16-Aug-2021	The Vanguard Group, Inc.	BUY	41.76	Ordinary	2,136	2,136
16-Aug-2021	The Vanguard Group, Inc.	BUY	41.76	Ordinary	5,340	5,340
17-Aug-2021	The Vanguard Group, Inc.	BUY	41.83	Ordinary	2,670	2,670
17-Aug-2021	The Vanguard Group, Inc.	BUY	41.82	Ordinary	3,731	3,731
18-Aug-2021	The Vanguard Group, Inc.	BUY	41.88	Ordinary	5,478	5,478
18-Aug-2021	The Vanguard Group, Inc.	BUY	41.88	Ordinary	676	676
18-Aug-2021	The Vanguard Group, Inc.	SELL	41.82	Ordinary	(41,731)	(41,731)
18-Aug-2021	The Vanguard Group, Inc.	BUY	41.80	Ordinary	6,545	6,545
18-Aug-2021	The Vanguard Group, Inc.	SELL	42.13	Ordinary	(235)	(235)
18-Aug-2021	The Vanguard Group, Inc.	BUY	42.13	Ordinary	3,389	3,389
19-Aug-2021	The Vanguard Group, Inc.	BUY	42.66	Ordinary	4,430	4,430
19-Aug-2021	The Vanguard Group, Inc.	BUY	42.66	Ordinary	507	507
19-Aug-2021	The Vanguard Group, Inc.	BUY	42.40	Ordinary	528	528
20-Aug-2021	The Vanguard Group, Inc.	BUY	43.02	Ordinary	2,670	2,670
20-Aug-2021	The Vanguard Group, Inc.	BUY	42.83	Ordinary	6,571	6,571
23-Aug-2021	The Vanguard Group, Inc.	BUY	41.60	Ordinary	1,062	1,062
23-Aug-2021	The Vanguard Group, Inc.	BUY	41.60	Ordinary	2,136	2,136
23-Aug-2021	The Vanguard Group, Inc.	BUY	41.60	Ordinary	3,204	3,204
23-Aug-2021	The Vanguard Group, Inc.	BUY	41.60	Ordinary	1,772	1,772
23-Aug-2021	The Vanguard Group, Inc.	BUY	41.60	Ordinary	2,658	2,658
23-Aug-2021	The Vanguard Group, Inc.	BUY	41.60	Ordinary	2,490	2,490
23-Aug-2021	The Vanguard Group, Inc.	BUY	41.60	Ordinary	2,490	2,490
23-Aug-2021	The Vanguard Group, Inc.	BUY	41.60	Ordinary	338	338
24-Aug-2021	The Vanguard Group, Inc.	BUY	42.21	Ordinary	860	860
25-Aug-2021	The Vanguard Group, Inc.	BUY	42.25	Ordinary	1,992	1,992
25-Aug-2021	The Vanguard Group, Inc.	SELL	42.58	Ordinary	(134)	(134)
25-Aug-2021	The Vanguard Group, Inc.	BUY	42.59	Ordinary	6,669	6,669
26-Aug-2021	The Vanguard Group, Inc.	BUY	42.42	Ordinary	13,697	13,697
27-Aug-2021	The Vanguard Group, Inc.	BUY	42.68	Ordinary	1,062	1,062
27-Aug-2021	The Vanguard Group, Inc.	BUY	42.68	Ordinary	1,770	1,770
27-Aug-2021	The Vanguard Group, Inc.	BUY	42.68	Ordinary	2,136	2,136
27-Aug-2021	The Vanguard Group, Inc.	BUY	43.33	Ordinary	13,002	13,002
27-Aug-2021	The Vanguard Group, Inc.	BUY	42.68	Ordinary	2,490	2,490
27-Aug-2021	The Vanguard Group, Inc.	BUY	43.33	Ordinary	6,593	6,593
27-Aug-2021	The Vanguard Group, Inc.	BUY	42.72	Ordinary	1,178	1,178
30-Aug-2021	The Vanguard Group, Inc.	BUY	43.04	Ordinary	12,992	12,992
30-Aug-2021	The Vanguard Group, Inc.	BUY	43.04	Ordinary	6,496	6,496
31-Aug-2021	The Vanguard Group, Inc.	BUY	43.40	Ordinary	8,943	8,943
31-Aug-2021	The Vanguard Group, Inc.	SELL	43.39	Ordinary	(11,158)	(11,158)
1-Sep-2021	The Vanguard Group, Inc.	BUY	43.30	Ordinary	4,358	4,358
2-Sep-2021	The Vanguard Group, Inc.	BUY	43.74	Ordinary	7,447	7,447
2-Sep-2021	The Vanguard Group, Inc.	BUY	43.24	Ordinary	3,249	3,249

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
3-Sep-2021	The Vanguard Group, Inc.	BUY	43.62	Ordinary	1,404	1,404
3-Sep-2021	The Vanguard Group, Inc.	BUY	43.62	Ordinary	338	338
3-Sep-2021	The Vanguard Group, Inc.	BUY	43.62	Ordinary	801	801
3-Sep-2021	The Vanguard Group, Inc.	BUY	43.75	Ordinary	858	858
7-Sep-2021	The Vanguard Group, Inc.	BUY	42.32	Ordinary	239	239
7-Sep-2021	The Vanguard Group, Inc.	BUY	42.32	Ordinary	3,272	3,272
8-Sep-2021	The Vanguard Group, Inc.	BUY	41.75	Ordinary	4,208	4,208
10-Sep-2021	The Vanguard Group, Inc.	BUY	41.63	Ordinary	238	238
10-Sep-2021	The Vanguard Group, Inc.	BUY	41.63	Ordinary	3,561	3,561
13-Sep-2021	The Vanguard Group, Inc.	SELL	42.11	Ordinary	(2,718)	(2,718)
14-Sep-2021	The Vanguard Group, Inc.	BUY	41.64	Ordinary	801	801
15-Sep-2021	The Vanguard Group, Inc.	BUY	42.31	Ordinary	507	507
15-Sep-2021	The Vanguard Group, Inc.	BUY	42.31	Ordinary	676	676
17-Sep-2021	The Vanguard Group, Inc.	SELL	42.12	Ordinary	(7,126)	(7,126)
17-Sep-2021	The Vanguard Group, Inc.	SELL	42.12	Ordinary	(25,505)	(25,505)
17-Sep-2021	The Vanguard Group, Inc.	SELL	42.12	Ordinary	(20,810)	(20,810)
17-Sep-2021	The Vanguard Group, Inc.	SELL	42.12	Ordinary	(84,965)	(84,965)
17-Sep-2021	The Vanguard Group, Inc.	BUY	41.92	Ordinary	507	507
17-Sep-2021	The Vanguard Group, Inc.	SELL	42.12	Ordinary	(18,070)	(18,070)
17-Sep-2021	The Vanguard Group, Inc.	BUY	42.13	Ordinary	463,744	463,744
17-Sep-2021	The Vanguard Group, Inc.	SELL	42.12	Ordinary	(2,197)	(2,197)
17-Sep-2021	The Vanguard Group, Inc.	SELL	42.12	Ordinary	(1,892)	(1,892)
17-Sep-2021	The Vanguard Group, Inc.	SELL	42.12	Ordinary	(3,385)	(3,385)
17-Sep-2021	The Vanguard Group, Inc.	BUY	42.13	Ordinary	356	356
17-Sep-2021	The Vanguard Group, Inc.	BUY	42.12	Ordinary	120	120
20-Sep-2021	The Vanguard Group, Inc.	BUY	41.31	Ordinary	2,670	2,670
21-Sep-2021	The Vanguard Group, Inc.	BUY	41.47	Ordinary	534	534
21-Sep-2021	The Vanguard Group, Inc.	BUY	41.55	Ordinary	520	520
23-Sep-2021	The Vanguard Group, Inc.	BUY	41.52	Ordinary	3,006	3,006
23-Sep-2021	The Vanguard Group, Inc.	SELL	41.61	Ordinary	(70,321)	(70,321)
23-Sep-2021	The Vanguard Group, Inc.	BUY	41.52	Ordinary	534	534
23-Sep-2021	The Vanguard Group, Inc.	BUY	41.52	Ordinary	3,824	3,824
23-Sep-2021	The Vanguard Group, Inc.	BUY	41.49	Ordinary	253	253
24-Sep-2021	The Vanguard Group, Inc.	BUY	40.63	Ordinary	604	604
24-Sep-2021	The Vanguard Group, Inc.	BUY	40.59	Ordinary	15,682	15,682
24-Sep-2021	The Vanguard Group, Inc.	BUY	40.59	Ordinary	516	516
24-Sep-2021	The Vanguard Group, Inc.	BUY	40.59	Ordinary	8,557	8,557
24-Sep-2021	The Vanguard Group, Inc.	SELL	41.23	Ordinary	(148)	(148)
24-Sep-2021	The Vanguard Group, Inc.	BUY	40.59	Ordinary	114	114
27-Sep-2021	The Vanguard Group, Inc.	BUY	40.95	Ordinary	453	453
27-Sep-2021	The Vanguard Group, Inc.	BUY	40.95	Ordinary	1,434	1,434
28-Sep-2021	The Vanguard Group, Inc.	BUY	39.11	Ordinary	1,348	1,348
28-Sep-2021	The Vanguard Group, Inc.	BUY	39.46	Ordinary	40,249	40,249
28-Sep-2021	The Vanguard Group, Inc.	BUY	39.11	Ordinary	534	534
28-Sep-2021	The Vanguard Group, Inc.	BUY	39.11	Ordinary	1,912	1,912
29-Sep-2021	The Vanguard Group, Inc.	BUY	39.51	Ordinary	1,740	1,740
29-Sep-2021	The Vanguard Group, Inc.	BUY	39.26	Ordinary	13,342	13,342
29-Sep-2021	The Vanguard Group, Inc.	BUY	39.34	Ordinary	802	802
30-Sep-2021	The Vanguard Group, Inc.	BUY	39.90	Ordinary	8,232	8,232
30-Sep-2021	The Vanguard Group, Inc.	BUY	39.97	Ordinary	8,032	8,032
30-Sep-2021	The Vanguard Group, Inc.	BUY	40.66	Ordinary	24,498	24,498
1-Oct-2021	The Vanguard Group, Inc.	BUY	40.04	Ordinary	1,062	1,062
1-Oct-2021	The Vanguard Group, Inc.	BUY	39.83	Ordinary	14,655	14,655
4-Oct-2021	The Vanguard Group, Inc.	BUY	39.76	Ordinary	9,183	9,183
4-Oct-2021	The Vanguard Group, Inc.	BUY	39.66	Ordinary	556	556
4-Oct-2021	The Vanguard Group, Inc.	BUY	39.66	Ordinary	7,505	7,505
5-Oct-2021	The Vanguard Group, Inc.	BUY	39.80	Ordinary	453	453
5-Oct-2021	The Vanguard Group, Inc.	BUY	39.80	Ordinary	534	534
5-Oct-2021	The Vanguard Group, Inc.	BUY	39.63	Ordinary	264	264
5-Oct-2021	The Vanguard Group, Inc.	SELL	39.63	Ordinary	(15,089)	(15,089)
6-Oct-2021	The Vanguard Group, Inc.	BUY	39.58	Ordinary	302	302
6-Oct-2021	The Vanguard Group, Inc.	SELL	40.08	Ordinary	(221)	(221)
6-Oct-2021	The Vanguard Group, Inc.	BUY	39.44	Ordinary	231	231
7-Oct-2021	The Vanguard Group, Inc.	BUY	40.10	Ordinary	604	604
7-Oct-2021	The Vanguard Group, Inc.	BUY	40.02	Ordinary	1,047	1,047
7-Oct-2021	The Vanguard Group, Inc.	SELL	40.02	Ordinary	(3,441)	(3,441)
7-Oct-2021	The Vanguard Group, Inc.	SELL	40.70	Ordinary	(1,205)	(1,205)
8-Oct-2021	The Vanguard Group, Inc.	BUY	39.91	Ordinary	2,436	2,436

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8-Oct-2021	The Vanguard Group, Inc.	BUY	39.91	Ordinary	3,012	3,012
8-Oct-2021	The Vanguard Group, Inc.	BUY	39.91	Ordinary	755	755
8-Oct-2021	The Vanguard Group, Inc.	BUY	40.88	Ordinary	11,416	11,416
8-Oct-2021	The Vanguard Group, Inc.	BUY	39.96	Ordinary	148	148
11-Oct-2021	The Vanguard Group, Inc.	BUY	39.08	Ordinary	1,416	1,416
11-Oct-2021	The Vanguard Group, Inc.	BUY	39.28	Ordinary	263	263
12-Oct-2021	The Vanguard Group, Inc.	BUY	39.23	Ordinary	1,044	1,044
12-Oct-2021	The Vanguard Group, Inc.	BUY	39.23	Ordinary	453	453
12-Oct-2021	The Vanguard Group, Inc.	BUY	39.17	Ordinary	6,841	6,841
13-Oct-2021	The Vanguard Group, Inc.	BUY	39.43	Ordinary	1,416	1,416
13-Oct-2021	The Vanguard Group, Inc.	BUY	39.43	Ordinary	2,008	2,008
13-Oct-2021	The Vanguard Group, Inc.	BUY	39.43	Ordinary	4,016	4,016
13-Oct-2021	The Vanguard Group, Inc.	BUY	39.43	Ordinary	2,070	2,070
13-Oct-2021	The Vanguard Group, Inc.	BUY	39.43	Ordinary	604	604
13-Oct-2021	The Vanguard Group, Inc.	BUY	39.43	Ordinary	534	534
15-Oct-2021	The Vanguard Group, Inc.	BUY	39.23	Ordinary	1,062	1,062
15-Oct-2021	The Vanguard Group, Inc.	SELL	39.92	Ordinary	(79)	(79)
18-Oct-2021	The Vanguard Group, Inc.	BUY	39.45	Ordinary	487	487
18-Oct-2021	The Vanguard Group, Inc.	BUY	38.89	Ordinary	893	893
19-Oct-2021	The Vanguard Group, Inc.	BUY	39.23	Ordinary	2,070	2,070
19-Oct-2021	The Vanguard Group, Inc.	BUY	39.23	Ordinary	453	453
19-Oct-2021	The Vanguard Group, Inc.	BUY	39.23	Ordinary	801	801
19-Oct-2021	The Vanguard Group, Inc.	BUY	39.23	Ordinary	267	267
19-Oct-2021	The Vanguard Group, Inc.	BUY	39.08	Ordinary	229	229
20-Oct-2021	The Vanguard Group, Inc.	BUY	39.01	Ordinary	534	534
20-Oct-2021	The Vanguard Group, Inc.	BUY	38.98	Ordinary	648	648
20-Oct-2021	The Vanguard Group, Inc.	BUY	38.98	Ordinary	4,556	4,556
21-Oct-2021	The Vanguard Group, Inc.	BUY	40.09	Ordinary	2,136	2,136
22-Oct-2021	The Vanguard Group, Inc.	BUY	39.63	Ordinary	696	696
22-Oct-2021	The Vanguard Group, Inc.	SELL	39.63	Ordinary	(3,539)	(3,539)
25-Oct-2021	The Vanguard Group, Inc.	BUY	39.82	Ordinary	3,012	3,012
25-Oct-2021	The Vanguard Group, Inc.	BUY	39.70	Ordinary	252	252
26-Oct-2021	The Vanguard Group, Inc.	BUY	39.25	Ordinary	6,739	6,739
26-Oct-2021	The Vanguard Group, Inc.	BUY	39.39	Ordinary	18,760	18,760
26-Oct-2021	The Vanguard Group, Inc.	BUY	39.28	Ordinary	453	453
26-Oct-2021	The Vanguard Group, Inc.	BUY	39.39	Ordinary	6,739	6,739
27-Oct-2021	The Vanguard Group, Inc.	BUY	40.52	Ordinary	1,518	1,518
27-Oct-2021	The Vanguard Group, Inc.	BUY	40.52	Ordinary	2,760	2,760
27-Oct-2021	The Vanguard Group, Inc.	BUY	40.52	Ordinary	453	453
27-Oct-2021	The Vanguard Group, Inc.	SELL	40.09	Ordinary	(111)	(111)
28-Oct-2021	The Vanguard Group, Inc.	BUY	40.61	Ordinary	1,242	1,242
28-Oct-2021	The Vanguard Group, Inc.	BUY	40.61	Ordinary	1,924	1,924
28-Oct-2021	The Vanguard Group, Inc.	BUY	40.61	Ordinary	2,405	2,405
28-Oct-2021	The Vanguard Group, Inc.	BUY	40.61	Ordinary	1,443	1,443
28-Oct-2021	The Vanguard Group, Inc.	BUY	40.52	Ordinary	230	230
29-Oct-2021	The Vanguard Group, Inc.	SELL	40.34	Ordinary	(2,150)	(2,150)
29-Oct-2021	The Vanguard Group, Inc.	BUY	40.34	Ordinary	604	604
29-Oct-2021	The Vanguard Group, Inc.	BUY	40.03	Ordinary	231	231
29-Oct-2021	The Vanguard Group, Inc.	BUY	40.03	Ordinary	728	728
1-Nov-2021	The Vanguard Group, Inc.	BUY	40.46	Ordinary	6,539	6,539
1-Nov-2021	The Vanguard Group, Inc.	BUY	40.67	Ordinary	3,012	3,012
1-Nov-2021	The Vanguard Group, Inc.	BUY	40.67	Ordinary	2,008	2,008
1-Nov-2021	The Vanguard Group, Inc.	BUY	40.67	Ordinary	2,070	2,070
2-Nov-2021	The Vanguard Group, Inc.	BUY	40.54	Ordinary	22,234	22,234
3-Nov-2021	The Vanguard Group, Inc.	BUY	40.71	Ordinary	1,740	1,740
3-Nov-2021	The Vanguard Group, Inc.	BUY	40.71	Ordinary	2,510	2,510
4-Nov-2021	The Vanguard Group, Inc.	BUY	41.03	Ordinary	1,208	1,208
5-Nov-2021	The Vanguard Group, Inc.	BUY	41.02	Ordinary	6,708	6,708
5-Nov-2021	The Vanguard Group, Inc.	BUY	40.99	Ordinary	2,208	2,208
5-Nov-2021	The Vanguard Group, Inc.	BUY	40.99	Ordinary	302	302
5-Nov-2021	The Vanguard Group, Inc.	BUY	41.02	Ordinary	6,641	6,641
29-Jun-2018	Vanguard Investments Australia Ltd.	SELL	24.53	Ordinary	(22,554)	(22,554)
3-Jul-2018	Vanguard Investments Australia Ltd.	BUY	24.71	Ordinary	15,456	15,456
5-Jul-2018	Vanguard Investments Australia Ltd.	BUY	25.00	Ordinary	4,592	4,592
5-Jul-2018	Vanguard Investments Australia Ltd.	BUY	25.00	Ordinary	2,573	2,573
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	25.09	Ordinary	3,078	3,078
9-Jul-2018	Vanguard Investments Australia Ltd.	SELL	25.20	Ordinary	(3,630)	(3,630)
10-Jul-2018	Vanguard Investments Australia Ltd.	BUY	25.23	Ordinary	1,193	1,193

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16-Jul-2018	Vanguard Investments Australia Ltd.	BUY	26.36	Ordinary	2,052	2,052
16-Jul-2018	Vanguard Investments Australia Ltd.	BUY	26.36	Ordinary	7,212	7,212
17-Jul-2018	Vanguard Investments Australia Ltd.	SELL	26.26	Ordinary	(2,234)	(2,234)
17-Jul-2018	Vanguard Investments Australia Ltd.	SELL	26.26	Ordinary	(10,696)	(10,696)
17-Jul-2018	Vanguard Investments Australia Ltd.	SELL	26.26	Ordinary	(2,222)	(2,222)
17-Jul-2018	Vanguard Investments Australia Ltd.	BUY	26.20	Ordinary	4,688	4,688
18-Jul-2018	Vanguard Investments Australia Ltd.	SELL	26.57	Ordinary	(4,135)	(4,135)
19-Jul-2018	Vanguard Investments Australia Ltd.	BUY	26.49	Ordinary	6,325	6,325
20-Jul-2018	Vanguard Investments Australia Ltd.	BUY	26.75	Ordinary	3,927	3,927
27-Jul-2018	Vanguard Investments Australia Ltd.	BUY	26.48	Ordinary	5,729	5,729
2-Aug-2018	Vanguard Investments Australia Ltd.	BUY	26.38	Ordinary	3,141	3,141
3-Aug-2018	Vanguard Investments Australia Ltd.	SELL	26.20	Ordinary	(10,486)	(10,486)
3-Aug-2018	Vanguard Investments Australia Ltd.	BUY	26.20	Ordinary	7,175	7,175
7-Aug-2018	Vanguard Investments Australia Ltd.	BUY	25.91	Ordinary	7,915	7,915
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	26.78	Ordinary	2,130	2,130
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	26.78	Ordinary	5,386	5,386
16-Aug-2018	Vanguard Investments Australia Ltd.	SELL	26.30	Ordinary	(3,183)	(3,183)
21-Aug-2018	Vanguard Investments Australia Ltd.	BUY	25.69	Ordinary	3,580	3,580
27-Aug-2018	Vanguard Investments Australia Ltd.	BUY	25.40	Ordinary	13,598	13,598
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	26.30	Ordinary	3,938	3,938
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	26.30	Ordinary	12,399	12,399
6-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.45	Ordinary	4,891	4,891
10-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.71	Ordinary	3,580	3,580
11-Sep-2018	Vanguard Investments Australia Ltd.	SELL	25.80	Ordinary	(4,451)	(4,451)
17-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.02	Ordinary	3,938	3,938
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.28	Ordinary	6,981	6,981
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.28	Ordinary	1,695	1,695
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.28	Ordinary	15,263	15,263
26-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.29	Ordinary	2,124	2,124
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.18	Ordinary	7,105	7,105
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.18	Ordinary	1,378	1,378
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.18	Ordinary	813	813
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.18	Ordinary	4,887	4,887
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.18	Ordinary	6,977	6,977
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.11	Ordinary	27,258	27,258
1-Oct-2018	Vanguard Investments Australia Ltd.	BUY	24.79	Ordinary	3,168	3,168
8-Oct-2018	Vanguard Investments Australia Ltd.	BUY	25.16	Ordinary	3,222	3,222
10-Oct-2018	Vanguard Investments Australia Ltd.	SELL	24.55	Ordinary	(3,683)	(3,683)
11-Oct-2018	Vanguard Investments Australia Ltd.	BUY	23.95	Ordinary	4,296	4,296
12-Oct-2018	Vanguard Investments Australia Ltd.	BUY	23.69	Ordinary	38,647	38,647
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	23.76	Ordinary	6,052	6,052
24-Oct-2018	Vanguard Investments Australia Ltd.	BUY	23.60	Ordinary	4,272	4,272
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	22.76	Ordinary	8,129	8,129
25-Oct-2018	Vanguard Investments Australia Ltd.	SELL	22.76	Ordinary	(2,349)	(2,349)
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	22.76	Ordinary	4,984	4,984
26-Oct-2018	Vanguard Investments Australia Ltd.	BUY	22.14	Ordinary	26,392	26,392
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	22.55	Ordinary	5,584	5,584
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	22.55	Ordinary	1,047	1,047
1-Nov-2018	Vanguard Investments Australia Ltd.	BUY	22.66	Ordinary	9,929	9,929
1-Nov-2018	Vanguard Investments Australia Ltd.	BUY	22.66	Ordinary	698	698
2-Nov-2018	Vanguard Investments Australia Ltd.	BUY	22.71	Ordinary	4,537	4,537
5-Nov-2018	Vanguard Investments Australia Ltd.	BUY	22.52	Ordinary	5,513	5,513
12-Nov-2018	Vanguard Investments Australia Ltd.	BUY	22.62	Ordinary	4,446	4,446
15-Nov-2018	Vanguard Investments Australia Ltd.	SELL	21.58	Ordinary	(4,738)	(4,738)
16-Nov-2018	Vanguard Investments Australia Ltd.	BUY	21.95	Ordinary	19,322	19,322
19-Nov-2018	Vanguard Investments Australia Ltd.	BUY	21.74	Ordinary	6,380	6,380
19-Nov-2018	Vanguard Investments Australia Ltd.	SELL	21.71	Ordinary	(14,751)	(14,751)
22-Nov-2018	Vanguard Investments Australia Ltd.	BUY	22.62	Ordinary	4,886	4,886
23-Nov-2018	Vanguard Investments Australia Ltd.	BUY	22.96	Ordinary	8,049	8,049
29-Nov-2018	Vanguard Investments Australia Ltd.	BUY	23.28	Ordinary	4,015	4,015
3-Dec-2018	Vanguard Investments Australia Ltd.	SELL	22.78	Ordinary	(8,466)	(8,466)
3-Dec-2018	Vanguard Investments Australia Ltd.	SELL	22.78	Ordinary	(12,764)	(12,764)
3-Dec-2018	Vanguard Investments Australia Ltd.	SELL	22.78	Ordinary	(8,301)	(8,301)
3-Dec-2018	Vanguard Investments Australia Ltd.	BUY	22.64	Ordinary	4,745	4,745
3-Dec-2018	Vanguard Investments Australia Ltd.	BUY	22.64	Ordinary	6,768	6,768
4-Dec-2018	Vanguard Investments Australia Ltd.	BUY	22.46	Ordinary	55,759	55,759
7-Dec-2018	Vanguard Investments Australia Ltd.	BUY	22.26	Ordinary	10,813	10,813
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.39	Ordinary	7,240	7,240

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.39	Ordinary	4,344	4,344
14-Dec-2018	Vanguard Investments Australia Ltd.	SELL	22.38	Ordinary	(2,172)	(2,172)
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	19.50	Ordinary	5,000	5,000
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	19.50	Ordinary	22,000	22,000
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	19.50	Ordinary	5,000	5,000
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	19.50	Ordinary	111,217	111,217
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	19.50	Ordinary	12,946	12,946
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	19.50	Ordinary	124,405	124,405
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	19.50	Ordinary	5,218	5,218
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	19.50	Ordinary	52,642	52,642
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	19.50	Ordinary	5,470	5,470
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	19.50	Ordinary	10,357	10,357
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	19.50	Ordinary	23,061	23,061
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	19.50	Ordinary	107,175	107,175
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	19.50	Ordinary	247,773	247,773
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	19.50	Ordinary	12,000	12,000
19-Dec-2018	Vanguard Investments Australia Ltd.	SELL	21.86	Ordinary	(6,895)	(6,895)
20-Dec-2018	Vanguard Investments Australia Ltd.	SELL	21.76	Ordinary	(2,592)	(2,592)
20-Dec-2018	Vanguard Investments Australia Ltd.	SELL	21.81	Ordinary	(901)	(901)
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.69	Ordinary	19,613	19,613
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.69	Ordinary	4,489	4,489
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.69	Ordinary	12,584	12,584
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.67	Ordinary	2,820	2,820
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.69	Ordinary	2,401	2,401
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.69	Ordinary	5,188	5,188
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.69	Ordinary	22,423	22,423
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.69	Ordinary	39,118	39,118
21-Dec-2018	Vanguard Investments Australia Ltd.	SELL	21.67	Ordinary	(492)	(492)
27-Dec-2018	Vanguard Investments Australia Ltd.	BUY	22.25	Ordinary	2,280	2,280
28-Dec-2018	Vanguard Investments Australia Ltd.	SELL	22.26	Ordinary	(753)	(753)
8-Jan-2019	Vanguard Investments Australia Ltd.	BUY	21.95	Ordinary	4,120	4,120
11-Jan-2019	Vanguard Investments Australia Ltd.	BUY	21.95	Ordinary	4,968	4,968
11-Jan-2019	Vanguard Investments Australia Ltd.	BUY	21.98	Ordinary	10,780	10,780
18-Jan-2019	Vanguard Investments Australia Ltd.	BUY	22.62	Ordinary	1,160	1,160
18-Jan-2019	Vanguard Investments Australia Ltd.	BUY	22.70	Ordinary	6,388	6,388
21-Jan-2019	Vanguard Investments Australia Ltd.	SELL	22.67	Ordinary	(4,039)	(4,039)
22-Jan-2019	Vanguard Investments Australia Ltd.	SELL	22.82	Ordinary	(5,472)	(5,472)
22-Jan-2019	Vanguard Investments Australia Ltd.	SELL	22.78	Ordinary	(2,104)	(2,104)
23-Jan-2019	Vanguard Investments Australia Ltd.	BUY	22.78	Ordinary	5,569	5,569
23-Jan-2019	Vanguard Investments Australia Ltd.	BUY	22.78	Ordinary	5,395	5,395
29-Jan-2019	Vanguard Investments Australia Ltd.	BUY	22.99	Ordinary	10,929	10,929
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	22.92	Ordinary	1,636	1,636
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	22.90	Ordinary	9,085	9,085
1-Feb-2019	Vanguard Investments Australia Ltd.	BUY	23.22	Ordinary	16,470	16,470
5-Feb-2019	Vanguard Investments Australia Ltd.	SELL	23.12	Ordinary	(28,630)	(28,630)
13-Feb-2019	Vanguard Investments Australia Ltd.	BUY	23.65	Ordinary	15,921	15,921
19-Feb-2019	Vanguard Investments Australia Ltd.	BUY	23.51	Ordinary	4,499	4,499
25-Feb-2019	Vanguard Investments Australia Ltd.	BUY	24.28	Ordinary	12,295	12,295
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	23.80	Ordinary	4,090	4,090
5-Mar-2019	Vanguard Investments Australia Ltd.	BUY	24.25	Ordinary	26,176	26,176
11-Mar-2019	Vanguard Investments Australia Ltd.	SELL	24.18	Ordinary	(2,968)	(2,968)
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	24.52	Ordinary	698	698
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	24.53	Ordinary	13,717	13,717
15-Mar-2019	Vanguard Investments Australia Ltd.	SELL	24.52	Ordinary	(3,012)	(3,012)
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	24.52	Ordinary	289	289
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	24.53	Ordinary	5,672	5,672
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	24.52	Ordinary	397	397
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	24.53	Ordinary	7,804	7,804
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	24.52	Ordinary	503	503
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	24.53	Ordinary	9,854	9,854
21-Mar-2019	Vanguard Investments Australia Ltd.	SELL	24.64	Ordinary	(4,963)	(4,963)
22-Mar-2019	Vanguard Investments Australia Ltd.	BUY	24.63	Ordinary	6,475	6,475
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	24.65	Ordinary	17,060	17,060
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	24.65	Ordinary	1,529	1,529
1-Apr-2019	Vanguard Investments Australia Ltd.	SELL	24.65	Ordinary	(32,740)	(32,740)
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	24.65	Ordinary	721	721
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	24.65	Ordinary	13,656	13,656
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	24.55	Ordinary	7,105	7,105

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2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	24.55	Ordinary	5,015	5,015
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	24.55	Ordinary	11,451	11,451
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	24.49	Ordinary	2,870	2,870
8-Apr-2019	Vanguard Investments Australia Ltd.	BUY	24.88	Ordinary	3,280	3,280
9-Apr-2019	Vanguard Investments Australia Ltd.	SELL	24.74	Ordinary	(1,552)	(1,552)
9-Apr-2019	Vanguard Investments Australia Ltd.	BUY	24.74	Ordinary	135,241	135,241
11-Apr-2019	Vanguard Investments Australia Ltd.	BUY	24.69	Ordinary	5,938	5,938
12-Apr-2019	Vanguard Investments Australia Ltd.	SELL	24.57	Ordinary	(1,166)	(1,166)
16-Apr-2019	Vanguard Investments Australia Ltd.	BUY	24.86	Ordinary	25,831	25,831
18-Apr-2019	Vanguard Investments Australia Ltd.	SELL	24.41	Ordinary	(2,518)	(2,518)
30-Apr-2019	Vanguard Investments Australia Ltd.	BUY	25.65	Ordinary	4,932	4,932
1-May-2019	Vanguard Investments Australia Ltd.	BUY	25.86	Ordinary	222	222
1-May-2019	Vanguard Investments Australia Ltd.	BUY	25.89	Ordinary	4,305	4,305
1-May-2019	Vanguard Investments Australia Ltd.	BUY	25.89	Ordinary	13,376	13,376
1-May-2019	Vanguard Investments Australia Ltd.	BUY	25.86	Ordinary	687	687
1-May-2019	Vanguard Investments Australia Ltd.	BUY	25.89	Ordinary	23,954	23,954
1-May-2019	Vanguard Investments Australia Ltd.	BUY	25.86	Ordinary	1,232	1,232
7-May-2019	Vanguard Investments Australia Ltd.	SELL	26.35	Ordinary	(1,331)	(1,331)
10-May-2019	Vanguard Investments Australia Ltd.	BUY	26.23	Ordinary	1,434	1,434
10-May-2019	Vanguard Investments Australia Ltd.	BUY	26.23	Ordinary	1,020	1,020
10-May-2019	Vanguard Investments Australia Ltd.	BUY	26.23	Ordinary	1,159	1,159
10-May-2019	Vanguard Investments Australia Ltd.	BUY	26.31	Ordinary	3,699	3,699
14-May-2019	Vanguard Investments Australia Ltd.	SELL	26.08	Ordinary	(213)	(213)
14-May-2019	Vanguard Investments Australia Ltd.	SELL	26.03	Ordinary	(1,480)	(1,480)
14-May-2019	Vanguard Investments Australia Ltd.	SELL	26.08	Ordinary	(1,045)	(1,045)
14-May-2019	Vanguard Investments Australia Ltd.	SELL	26.03	Ordinary	(7,187)	(7,187)
14-May-2019	Vanguard Investments Australia Ltd.	SELL	26.03	Ordinary	(1,507)	(1,507)
14-May-2019	Vanguard Investments Australia Ltd.	SELL	26.08	Ordinary	(215)	(215)
14-May-2019	Vanguard Investments Australia Ltd.	SELL	26.19	Ordinary	(1,725)	(1,725)
15-May-2019	Vanguard Investments Australia Ltd.	SELL	26.30	Ordinary	(4,692)	(4,692)
16-May-2019	Vanguard Investments Australia Ltd.	BUY	26.32	Ordinary	12,987	12,987
17-May-2019	Vanguard Investments Australia Ltd.	BUY	26.45	Ordinary	4,140	4,140
21-May-2019	Vanguard Investments Australia Ltd.	BUY	26.39	Ordinary	4,140	4,140
27-May-2019	Vanguard Investments Australia Ltd.	SELL	26.35	Ordinary	(10,117)	(10,117)
28-May-2019	Vanguard Investments Australia Ltd.	BUY	26.44	Ordinary	2,549	2,549
28-May-2019	Vanguard Investments Australia Ltd.	BUY	26.46	Ordinary	4,380	4,380
30-May-2019	Vanguard Investments Australia Ltd.	BUY	26.06	Ordinary	25,579	25,579
3-Jun-2019	Vanguard Investments Australia Ltd.	SELL	26.09	Ordinary	(8,276)	(8,276)
3-Jun-2019	Vanguard Investments Australia Ltd.	SELL	26.09	Ordinary	(4,623)	(4,623)
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	25.61	Ordinary	4,380	4,380
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	26.12	Ordinary	5,256	5,256
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	26.48	Ordinary	1,265	1,265
7-Jun-2019	Vanguard Investments Australia Ltd.	BUY	26.35	Ordinary	20,154	20,154
12-Jun-2019	Vanguard Investments Australia Ltd.	BUY	27.05	Ordinary	15,214	15,214
17-Jun-2019	Vanguard Investments Australia Ltd.	BUY	27.06	Ordinary	3,504	3,504
21-Jun-2019	Vanguard Investments Australia Ltd.	SELL	27.64	Ordinary	(1,520)	(1,520)
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	27.85	Ordinary	7	7
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	27.68	Ordinary	7,813	7,813
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	27.64	Ordinary	2,628	2,628
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	27.85	Ordinary	23	23
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	27.68	Ordinary	24,375	24,375
25-Jun-2019	Vanguard Investments Australia Ltd.	SELL	27.50	Ordinary	(7,751)	(7,751)
27-Jun-2019	Vanguard Investments Australia Ltd.	SELL	27.25	Ordinary	(3,581)	(3,581)
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	27.25	Ordinary	3,003	3,003
2-Jul-2019	Vanguard Investments Australia Ltd.	BUY	27.24	Ordinary	5,124	5,124
8-Jul-2019	Vanguard Investments Australia Ltd.	BUY	27.16	Ordinary	2,562	2,562
9-Jul-2019	Vanguard Investments Australia Ltd.	BUY	27.42	Ordinary	2,562	2,562
9-Jul-2019	Vanguard Investments Australia Ltd.	BUY	27.42	Ordinary	5,900	5,900
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	27.74	Ordinary	1,264	1,264
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	27.65	Ordinary	2,550	2,550
12-Jul-2019	Vanguard Investments Australia Ltd.	SELL	27.62	Ordinary	(1,505)	(1,505)
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	27.64	Ordinary	2,330	2,330
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	27.64	Ordinary	7,449	7,449
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	27.74	Ordinary	8,057	8,057
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	27.74	Ordinary	4,165	4,165
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	27.70	Ordinary	5,088	5,088
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	27.70	Ordinary	6,903	6,903
18-Jul-2019	Vanguard Investments Australia Ltd.	SELL	27.82	Ordinary	(1,787)	(1,787)

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19-Jul-2019	Vanguard Investments Australia Ltd.	SELL	27.91	Ordinary	(5,006)	(5,006)
19-Jul-2019	Vanguard Investments Australia Ltd.	BUY	27.91	Ordinary	6,450	6,450
22-Jul-2019	Vanguard Investments Australia Ltd.	SELL	27.53	Ordinary	(281,485)	(281,485)
26-Jul-2019	Vanguard Investments Australia Ltd.	SELL	27.39	Ordinary	(2,003)	(2,003)
30-Jul-2019	Vanguard Investments Australia Ltd.	BUY	28.00	Ordinary	4,642	4,642
1-Aug-2019	Vanguard Investments Australia Ltd.	SELL	28.10	Ordinary	(2,956)	(2,956)
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	26.98	Ordinary	3,789	3,789
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	26.98	Ordinary	3,789	3,789
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	26.98	Ordinary	5,695	5,695
7-Aug-2019	Vanguard Investments Australia Ltd.	BUY	27.57	Ordinary	5,775	5,775
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	27.80	Ordinary	4,642	4,642
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	27.80	Ordinary	5,700	5,700
9-Aug-2019	Vanguard Investments Australia Ltd.	BUY	27.70	Ordinary	6,382	6,382
12-Aug-2019	Vanguard Investments Australia Ltd.	SELL	27.98	Ordinary	(7,962)	(7,962)
12-Aug-2019	Vanguard Investments Australia Ltd.	BUY	27.98	Ordinary	4,653	4,653
13-Aug-2019	Vanguard Investments Australia Ltd.	SELL	28.13	Ordinary	(3,755)	(3,755)
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	28.19	Ordinary	8,872	8,872
16-Aug-2019	Vanguard Investments Australia Ltd.	BUY	27.28	Ordinary	5,676	5,676
19-Aug-2019	Vanguard Investments Australia Ltd.	BUY	27.75	Ordinary	9,158	9,158
20-Aug-2019	Vanguard Investments Australia Ltd.	SELL	28.26	Ordinary	(8,550)	(8,550)
20-Aug-2019	Vanguard Investments Australia Ltd.	SELL	28.26	Ordinary	(13,082)	(13,082)
20-Aug-2019	Vanguard Investments Australia Ltd.	SELL	28.26	Ordinary	(2,071)	(2,071)
20-Aug-2019	Vanguard Investments Australia Ltd.	BUY	28.60	Ordinary	5,405	5,405
21-Aug-2019	Vanguard Investments Australia Ltd.	BUY	29.50	Ordinary	5,576	5,576
22-Aug-2019	Vanguard Investments Australia Ltd.	BUY	29.19	Ordinary	5,367	5,367
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	28.59	Ordinary	5,554	5,554
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	29.44	Ordinary	9,394	9,394
3-Sep-2019	Vanguard Investments Australia Ltd.	BUY	29.52	Ordinary	45,915	45,915
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	29.12	Ordinary	9,043	9,043
13-Sep-2019	Vanguard Investments Australia Ltd.	BUY	28.00	Ordinary	2,330	2,330
13-Sep-2019	Vanguard Investments Australia Ltd.	SELL	28.00	Ordinary	(1,580)	(1,580)
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	27.90	Ordinary	8,113	8,113
18-Sep-2019	Vanguard Investments Australia Ltd.	SELL	28.01	Ordinary	(4,380)	(4,380)
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	28.22	Ordinary	4,290	4,290
23-Sep-2019	Vanguard Investments Australia Ltd.	BUY	28.33	Ordinary	6,465	6,465
23-Sep-2019	Vanguard Investments Australia Ltd.	SELL	28.33	Ordinary	(1,507)	(1,507)
24-Sep-2019	Vanguard Investments Australia Ltd.	SELL	28.19	Ordinary	(25,520)	(25,520)
24-Sep-2019	Vanguard Investments Australia Ltd.	SELL	28.19	Ordinary	(10,582)	(10,582)
24-Sep-2019	Vanguard Investments Australia Ltd.	SELL	28.19	Ordinary	(25,086)	(25,086)
24-Sep-2019	Vanguard Investments Australia Ltd.	BUY	28.12	Ordinary	1,606	1,606
25-Sep-2019	Vanguard Investments Australia Ltd.	BUY	28.40	Ordinary	6,048	6,048
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	28.12	Ordinary	5,172	5,172
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.25	Ordinary	11,342	11,342
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.25	Ordinary	5,346	5,346
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.30	Ordinary	8,113	8,113
2-Oct-2019	Vanguard Investments Australia Ltd.	SELL	28.30	Ordinary	(10,248)	(10,248)
3-Oct-2019	Vanguard Investments Australia Ltd.	BUY	27.88	Ordinary	5,550	5,550
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.02	Ordinary	9,313	9,313
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.02	Ordinary	3,402	3,402
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.02	Ordinary	7,276	7,276
7-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.38	Ordinary	4,780	4,780
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.63	Ordinary	3,440	3,440
14-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.65	Ordinary	59,087	59,087
14-Oct-2019	Vanguard Investments Australia Ltd.	SELL	28.65	Ordinary	(3,917)	(3,917)
16-Oct-2019	Vanguard Investments Australia Ltd.	BUY	29.16	Ordinary	70,020	70,020
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.63	Ordinary	4,310	4,310
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.57	Ordinary	4,876	4,876
21-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.58	Ordinary	3,963	3,963
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.69	Ordinary	4,320	4,320
23-Oct-2019	Vanguard Investments Australia Ltd.	SELL	28.18	Ordinary	(10,356)	(10,356)
23-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.31	Ordinary	4,679	4,679
23-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.31	Ordinary	3,486	3,486
24-Oct-2019	Vanguard Investments Australia Ltd.	SELL	28.39	Ordinary	(2,156)	(2,156)
28-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.73	Ordinary	4,340	4,340
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.78	Ordinary	14,160	14,160
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.77	Ordinary	14,442	14,442
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.54	Ordinary	10,440	10,440
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	28.53	Ordinary	14,740	14,740

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
31-Oct-2019	Vanguard Investments Australia Ltd.	SELL	28.54	Ordinary	(5,220)	(5,220)
1-Nov-2019	Vanguard Investments Australia Ltd.	SELL	29.00	Ordinary	(55,886)	(55,886)
1-Nov-2019	Vanguard Investments Australia Ltd.	BUY	28.99	Ordinary	4,661	4,661
4-Nov-2019	Vanguard Investments Australia Ltd.	SELL	29.12	Ordinary	(73,967)	(73,967)
4-Nov-2019	Vanguard Investments Australia Ltd.	BUY	29.09	Ordinary	11,363	11,363
5-Nov-2019	Vanguard Investments Australia Ltd.	SELL	29.30	Ordinary	(19,904)	(19,904)
5-Nov-2019	Vanguard Investments Australia Ltd.	BUY	29.30	Ordinary	5,232	5,232
7-Nov-2019	Vanguard Investments Australia Ltd.	BUY	29.23	Ordinary	3,417	3,417
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	29.26	Ordinary	11,938	11,938
12-Nov-2019	Vanguard Investments Australia Ltd.	SELL	29.19	Ordinary	(1,668)	(1,668)
12-Nov-2019	Vanguard Investments Australia Ltd.	BUY	29.19	Ordinary	4,807	4,807
13-Nov-2019	Vanguard Investments Australia Ltd.	BUY	29.15	Ordinary	1,299	1,299
14-Nov-2019	Vanguard Investments Australia Ltd.	BUY	29.27	Ordinary	9,748	9,748
19-Nov-2019	Vanguard Investments Australia Ltd.	SELL	29.74	Ordinary	(858)	(858)
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	29.74	Ordinary	5,629	5,629
20-Nov-2019	Vanguard Investments Australia Ltd.	BUY	29.83	Ordinary	3,024	3,024
21-Nov-2019	Vanguard Investments Australia Ltd.	BUY	29.62	Ordinary	9,072	9,072
22-Nov-2019	Vanguard Investments Australia Ltd.	BUY	29.77	Ordinary	8,499	8,499
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	29.85	Ordinary	8,686	8,686
26-Nov-2019	Vanguard Investments Australia Ltd.	SELL	30.10	Ordinary	(25,479)	(25,479)
26-Nov-2019	Vanguard Investments Australia Ltd.	SELL	30.20	Ordinary	(3,431)	(3,431)
27-Nov-2019	Vanguard Investments Australia Ltd.	BUY	30.59	Ordinary	8,842	8,842
29-Nov-2019	Vanguard Investments Australia Ltd.	BUY	30.12	Ordinary	5,196	5,196
2-Dec-2019	Vanguard Investments Australia Ltd.	BUY	30.37	Ordinary	22,294	22,294
3-Dec-2019	Vanguard Investments Australia Ltd.	BUY	29.34	Ordinary	6,439	6,439
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	28.58	Ordinary	9,526	9,526
5-Dec-2019	Vanguard Investments Australia Ltd.	BUY	28.74	Ordinary	6,925	6,925
6-Dec-2019	Vanguard Investments Australia Ltd.	BUY	29.16	Ordinary	2,436	2,436
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	29.33	Ordinary	5,208	5,208
11-Dec-2019	Vanguard Investments Australia Ltd.	BUY	29.46	Ordinary	8,103	8,103
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	28.93	Ordinary	4,360	4,360
18-Dec-2019	Vanguard Investments Australia Ltd.	BUY	29.61	Ordinary	6,118	6,118
18-Dec-2019	Vanguard Investments Australia Ltd.	BUY	29.63	Ordinary	24,451	24,451
19-Dec-2019	Vanguard Investments Australia Ltd.	BUY	29.15	Ordinary	10,659	10,659
30-Dec-2019	Vanguard Investments Australia Ltd.	BUY	29.49	Ordinary	3,496	3,496
31-Dec-2019	Vanguard Investments Australia Ltd.	BUY	28.75	Ordinary	2,185	2,185
2-Jan-2020	Vanguard Investments Australia Ltd.	BUY	28.64	Ordinary	5,196	5,196
3-Jan-2020	Vanguard Investments Australia Ltd.	SELL	28.90	Ordinary	(30,788)	(30,788)
6-Jan-2020	Vanguard Investments Australia Ltd.	BUY	28.96	Ordinary	3,005	3,005
7-Jan-2020	Vanguard Investments Australia Ltd.	BUY	29.52	Ordinary	2,592	2,592
8-Jan-2020	Vanguard Investments Australia Ltd.	BUY	29.79	Ordinary	6,480	6,480
9-Jan-2020	Vanguard Investments Australia Ltd.	SELL	30.06	Ordinary	(3,456)	(3,456)
13-Jan-2020	Vanguard Investments Australia Ltd.	BUY	30.33	Ordinary	6,465	6,465
14-Jan-2020	Vanguard Investments Australia Ltd.	BUY	30.50	Ordinary	4,946	4,946
15-Jan-2020	Vanguard Investments Australia Ltd.	SELL	30.67	Ordinary	(4,553)	(4,553)
15-Jan-2020	Vanguard Investments Australia Ltd.	BUY	30.64	Ordinary	14,884	14,884
21-Jan-2020	Vanguard Investments Australia Ltd.	SELL	31.07	Ordinary	(10,611)	(10,611)
21-Jan-2020	Vanguard Investments Australia Ltd.	BUY	31.07	Ordinary	6,450	6,450
24-Jan-2020	Vanguard Investments Australia Ltd.	SELL	31.22	Ordinary	(3,565)	(3,565)
30-Jan-2020	Vanguard Investments Australia Ltd.	BUY	31.50	Ordinary	6,390	6,390
31-Jan-2020	Vanguard Investments Australia Ltd.	BUY	31.57	Ordinary	4,707	4,707
3-Feb-2020	Vanguard Investments Australia Ltd.	SELL	31.47	Ordinary	(7,750)	(7,750)
3-Feb-2020	Vanguard Investments Australia Ltd.	SELL	31.49	Ordinary	(2,591)	(2,591)
7-Feb-2020	Vanguard Investments Australia Ltd.	BUY	31.24	Ordinary	4,240	4,240
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	31.95	Ordinary	8,480	8,480
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	31.94	Ordinary	16,905	16,905
17-Feb-2020	Vanguard Investments Australia Ltd.	SELL	31.50	Ordinary	(7,567)	(7,567)
26-Feb-2020	Vanguard Investments Australia Ltd.	BUY	29.50	Ordinary	6,768	6,768
27-Feb-2020	Vanguard Investments Australia Ltd.	BUY	29.40	Ordinary	33,947	33,947
28-Feb-2020	Vanguard Investments Australia Ltd.	SELL	28.80	Ordinary	(4,112)	(4,112)
28-Feb-2020	Vanguard Investments Australia Ltd.	BUY	28.80	Ordinary	6,330	6,330
2-Mar-2020	Vanguard Investments Australia Ltd.	SELL	28.83	Ordinary	(6,472)	(6,472)
3-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.52	Ordinary	11,340	11,340
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.30	Ordinary	246	246
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.30	Ordinary	7,157	7,157
5-Mar-2020	Vanguard Investments Australia Ltd.	SELL	29.77	Ordinary	(1,162)	(1,162)
6-Mar-2020	Vanguard Investments Australia Ltd.	BUY	30.85	Ordinary	10,954	10,954
9-Mar-2020	Vanguard Investments Australia Ltd.	SELL	29.57	Ordinary	(1,897)	(1,897)

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9-Mar-2020	Vanguard Investments Australia Ltd.	SELL	29.57	Ordinary	(102)	(102)
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.57	Ordinary	14,665	14,665
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.57	Ordinary	17,994	17,994
10-Mar-2020	Vanguard Investments Australia Ltd.	BUY	30.42	Ordinary	3,301	3,301
10-Mar-2020	Vanguard Investments Australia Ltd.	BUY	30.42	Ordinary	22,458	22,458
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	30.19	Ordinary	2,170	2,170
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.83	Ordinary	10,500	10,500
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.83	Ordinary	8,400	8,400
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.59	Ordinary	7,140	7,140
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.59	Ordinary	12,600	12,600
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.59	Ordinary	45,526	45,526
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.01	Ordinary	16,156	16,156
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.01	Ordinary	4,476	4,476
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.01	Ordinary	12,630	12,630
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.01	Ordinary	27,617	27,617
16-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.44	Ordinary	14,735	14,735
17-Mar-2020	Vanguard Investments Australia Ltd.	SELL	26.89	Ordinary	(10,026)	(10,026)
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.75	Ordinary	1,680	1,680
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.31	Ordinary	10,450	10,450
18-Mar-2020	Vanguard Investments Australia Ltd.	SELL	26.53	Ordinary	(2,498)	(2,498)
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	26.53	Ordinary	12,630	12,630
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	26.53	Ordinary	18,349	18,349
19-Mar-2020	Vanguard Investments Australia Ltd.	SELL	24.78	Ordinary	(1,057)	(1,057)
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	24.78	Ordinary	9,706	9,706
20-Mar-2020	Vanguard Investments Australia Ltd.	SELL	21.67	Ordinary	(2,018)	(2,018)
20-Mar-2020	Vanguard Investments Australia Ltd.	SELL	21.67	Ordinary	(1,360)	(1,360)
20-Mar-2020	Vanguard Investments Australia Ltd.	BUY	21.67	Ordinary	13,113	13,113
23-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.04	Ordinary	5,936	5,936
24-Mar-2020	Vanguard Investments Australia Ltd.	BUY	21.98	Ordinary	2,161	2,161
26-Mar-2020	Vanguard Investments Australia Ltd.	BUY	24.82	Ordinary	6,330	6,330
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.37	Ordinary	10,082	10,082
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.33	Ordinary	105	105
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.37	Ordinary	2,417	2,417
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.33	Ordinary	25	25
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.37	Ordinary	14,869	14,869
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.33	Ordinary	154	154
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.37	Ordinary	5,955	5,955
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.33	Ordinary	62	62
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.37	Ordinary	1,889	1,889
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.33	Ordinary	20	20
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.37	Ordinary	870	870
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.33	Ordinary	9	9
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.37	Ordinary	6,703	6,703
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.33	Ordinary	69	69
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	22.65	Ordinary	10,550	10,550
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.37	Ordinary	17,070	17,070
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	23.33	Ordinary	177	177
27-Mar-2020	Vanguard Investments Australia Ltd.	SELL	22.65	Ordinary	(11,394)	(11,394)
31-Mar-2020	Vanguard Investments Australia Ltd.	SELL	24.33	Ordinary	(42,859)	(42,859)
31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	24.33	Ordinary	8,440	8,440
1-Apr-2020	Vanguard Investments Australia Ltd.	BUY	24.60	Ordinary	5,434	5,434
2-Apr-2020	Vanguard Investments Australia Ltd.	BUY	23.00	Ordinary	6,285	6,285
3-Apr-2020	Vanguard Investments Australia Ltd.	SELL	22.49	Ordinary	(2,719)	(2,719)
3-Apr-2020	Vanguard Investments Australia Ltd.	BUY	22.49	Ordinary	3,424	3,424
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	22.51	Ordinary	1,727	1,727
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	22.51	Ordinary	14,630	14,630
9-Apr-2020	Vanguard Investments Australia Ltd.	SELL	22.84	Ordinary	(26,394)	(26,394)
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	22.84	Ordinary	14,246	14,246
14-Apr-2020	Vanguard Investments Australia Ltd.	SELL	24.38	Ordinary	(22,687)	(22,687)
15-Apr-2020	Vanguard Investments Australia Ltd.	BUY	25.32	Ordinary	8,380	8,380
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	25.79	Ordinary	1,730	1,730
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	25.59	Ordinary	8,340	8,340
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	25.59	Ordinary	7,089	7,089
22-Apr-2020	Vanguard Investments Australia Ltd.	SELL	25.08	Ordinary	(49,428)	(49,428)
23-Apr-2020	Vanguard Investments Australia Ltd.	SELL	25.00	Ordinary	(52,589)	(52,589)
23-Apr-2020	Vanguard Investments Australia Ltd.	BUY	25.00	Ordinary	6,240	6,240
24-Apr-2020	Vanguard Investments Australia Ltd.	SELL	24.48	Ordinary	(8,000)	(8,000)
28-Apr-2020	Vanguard Investments Australia Ltd.	SELL	26.70	Ordinary	(3,014)	(3,014)

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28-Apr-2020	Vanguard Investments Australia Ltd.	BUY	26.70	Ordinary	7,470	7,470
30-Apr-2020	Vanguard Investments Australia Ltd.	SELL	27.19	Ordinary	(3,724)	(3,724)
1-May-2020	Vanguard Investments Australia Ltd.	SELL	26.30	Ordinary	(2,749)	(2,749)
1-May-2020	Vanguard Investments Australia Ltd.	BUY	26.30	Ordinary	8,280	8,280
1-May-2020	Vanguard Investments Australia Ltd.	BUY	26.30	Ordinary	6,210	6,210
4-May-2020	Vanguard Investments Australia Ltd.	BUY	26.30	Ordinary	11,592	11,592
5-May-2020	Vanguard Investments Australia Ltd.	SELL	26.37	Ordinary	(1,245)	(1,245)
5-May-2020	Vanguard Investments Australia Ltd.	SELL	26.37	Ordinary	(749)	(749)
8-May-2020	Vanguard Investments Australia Ltd.	BUY	25.90	Ordinary	412	412
12-May-2020	Vanguard Investments Australia Ltd.	BUY	26.54	Ordinary	5,768	5,768
13-May-2020	Vanguard Investments Australia Ltd.	BUY	26.50	Ordinary	6,180	6,180
14-May-2020	Vanguard Investments Australia Ltd.	SELL	26.39	Ordinary	(3,079)	(3,079)
14-May-2020	Vanguard Investments Australia Ltd.	SELL	26.39	Ordinary	(86,048)	(86,048)
14-May-2020	Vanguard Investments Australia Ltd.	SELL	26.39	Ordinary	(1,719)	(1,719)
19-May-2020	Vanguard Investments Australia Ltd.	BUY	27.12	Ordinary	8,260	8,260
20-May-2020	Vanguard Investments Australia Ltd.	BUY	27.18	Ordinary	6,608	6,608
22-May-2020	Vanguard Investments Australia Ltd.	BUY	27.28	Ordinary	4,944	4,944
25-May-2020	Vanguard Investments Australia Ltd.	BUY	28.19	Ordinary	4,120	4,120
26-May-2020	Vanguard Investments Australia Ltd.	SELL	29.00	Ordinary	(5,070)	(5,070)
26-May-2020	Vanguard Investments Australia Ltd.	BUY	29.00	Ordinary	51,439	51,439
26-May-2020	Vanguard Investments Australia Ltd.	BUY	29.00	Ordinary	6,180	6,180
27-May-2020	Vanguard Investments Australia Ltd.	BUY	28.82	Ordinary	50,091	50,091
28-May-2020	Vanguard Investments Australia Ltd.	SELL	29.21	Ordinary	(318)	(318)
28-May-2020	Vanguard Investments Australia Ltd.	SELL	29.21	Ordinary	(15,146)	(15,146)
29-May-2020	Vanguard Investments Australia Ltd.	SELL	28.39	Ordinary	(8,003)	(8,003)
29-May-2020	Vanguard Investments Australia Ltd.	SELL	28.39	Ordinary	(62,903)	(62,903)
29-May-2020	Vanguard Investments Australia Ltd.	SELL	28.39	Ordinary	(8,218)	(8,218)
29-May-2020	Vanguard Investments Australia Ltd.	SELL	28.29	Ordinary	(12,224)	(12,224)
29-May-2020	Vanguard Investments Australia Ltd.	SELL	28.29	Ordinary	(2,468)	(2,468)
29-May-2020	Vanguard Investments Australia Ltd.	BUY	28.17	Ordinary	6,165	6,165
4-Jun-2020	Vanguard Investments Australia Ltd.	SELL	28.96	Ordinary	(15,882)	(15,882)
5-Jun-2020	Vanguard Investments Australia Ltd.	BUY	28.78	Ordinary	6,135	6,135
5-Jun-2020	Vanguard Investments Australia Ltd.	BUY	28.78	Ordinary	4,908	4,908
5-Jun-2020	Vanguard Investments Australia Ltd.	SELL	28.78	Ordinary	(9,218)	(9,218)
9-Jun-2020	Vanguard Investments Australia Ltd.	BUY	28.83	Ordinary	3,957	3,957
10-Jun-2020	Vanguard Investments Australia Ltd.	SELL	29.23	Ordinary	(10,718)	(10,718)
11-Jun-2020	Vanguard Investments Australia Ltd.	SELL	28.71	Ordinary	(743)	(743)
11-Jun-2020	Vanguard Investments Australia Ltd.	BUY	28.71	Ordinary	6,135	6,135
15-Jun-2020	Vanguard Investments Australia Ltd.	BUY	27.42	Ordinary	8,180	8,180
16-Jun-2020	Vanguard Investments Australia Ltd.	BUY	28.64	Ordinary	4,090	4,090
17-Jun-2020	Vanguard Investments Australia Ltd.	BUY	29.09	Ordinary	6,150	6,150
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	28.92	Ordinary	33,669	33,669
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	28.92	Ordinary	4,590	4,590
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	28.92	Ordinary	42,886	42,886
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	28.92	Ordinary	447	447
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	28.92	Ordinary	21,281	21,281
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	28.92	Ordinary	3,624	3,624
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	28.92	Ordinary	5,678	5,678
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	28.92	Ordinary	41,047	41,047
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	28.88	Ordinary	822	822
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	28.92	Ordinary	134,055	134,055
23-Jun-2020	Vanguard Investments Australia Ltd.	SELL	28.96	Ordinary	(7,157)	(7,157)
24-Jun-2020	Vanguard Investments Australia Ltd.	BUY	30.33	Ordinary	3,251	3,251
25-Jun-2020	Vanguard Investments Australia Ltd.	BUY	30.20	Ordinary	9,706	9,706
8-Jul-2020	Vanguard Investments Australia Ltd.	SELL	31.03	Ordinary	(305,168)	(305,168)
8-Jul-2020	Vanguard Investments Australia Ltd.	BUY	31.03	Ordinary	42,445	42,445
8-Jul-2020	Vanguard Investments Australia Ltd.	SELL	31.03	Ordinary	(42,445)	(42,445)
10-Jul-2020	Vanguard Investments Australia Ltd.	BUY	30.90	Ordinary	24,136	24,136
16-Jul-2020	Vanguard Investments Australia Ltd.	SELL	31.28	Ordinary	(3,798)	(3,798)
24-Jul-2020	Vanguard Investments Australia Ltd.	BUY	32.05	Ordinary	24,173	24,173
28-Jul-2020	Vanguard Investments Australia Ltd.	BUY	31.94	Ordinary	3,805	3,805
30-Jul-2020	Vanguard Investments Australia Ltd.	BUY	32.68	Ordinary	5,512	5,512
31-Jul-2020	Vanguard Investments Australia Ltd.	BUY	32.10	Ordinary	13,613	13,613
3-Aug-2020	Vanguard Investments Australia Ltd.	BUY	32.50	Ordinary	9,969	9,969
5-Aug-2020	Vanguard Investments Australia Ltd.	BUY	33.29	Ordinary	6,375	6,375
7-Aug-2020	Vanguard Investments Australia Ltd.	BUY	33.12	Ordinary	8,520	8,520
12-Aug-2020	Vanguard Investments Australia Ltd.	SELL	34.13	Ordinary	(684)	(684)
12-Aug-2020	Vanguard Investments Australia Ltd.	SELL	34.13	Ordinary	(32,249)	(32,249)

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12-Aug-2020	Vanguard Investments Australia Ltd.	BUY	34.13	Ordinary	16,148	16,148
12-Aug-2020	Vanguard Investments Australia Ltd.	BUY	34.13	Ordinary	32,249	32,249
25-Aug-2020	Vanguard Investments Australia Ltd.	BUY	34.22	Ordinary	6,405	6,405
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	31.74	Ordinary	6,864	6,864
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	31.74	Ordinary	905	905
4-Sep-2020	Vanguard Investments Australia Ltd.	BUY	32.51	Ordinary	1,448	1,448
7-Sep-2020	Vanguard Investments Australia Ltd.	BUY	31.79	Ordinary	5,577	5,577
8-Sep-2020	Vanguard Investments Australia Ltd.	BUY	32.07	Ordinary	893	893
9-Sep-2020	Vanguard Investments Australia Ltd.	BUY	31.66	Ordinary	7,704	7,704
10-Sep-2020	Vanguard Investments Australia Ltd.	BUY	32.00	Ordinary	539	539
14-Sep-2020	Vanguard Investments Australia Ltd.	SELL	32.59	Ordinary	(2,616)	(2,616)
16-Sep-2020	Vanguard Investments Australia Ltd.	BUY	32.61	Ordinary	2,135	2,135
18-Sep-2020	Vanguard Investments Australia Ltd.	SELL	32.43	Ordinary	(4,335)	(4,335)
18-Sep-2020	Vanguard Investments Australia Ltd.	SELL	32.43	Ordinary	(4,434)	(4,434)
18-Sep-2020	Vanguard Investments Australia Ltd.	SELL	32.43	Ordinary	(1,362)	(1,362)
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	32.41	Ordinary	3,408	3,408
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	32.41	Ordinary	2,130	2,130
18-Sep-2020	Vanguard Investments Australia Ltd.	SELL	32.43	Ordinary	(1,849)	(1,849)
21-Sep-2020	Vanguard Investments Australia Ltd.	BUY	33.27	Ordinary	1,254	1,254
23-Sep-2020	Vanguard Investments Australia Ltd.	SELL	33.90	Ordinary	(614)	(614)
24-Sep-2020	Vanguard Investments Australia Ltd.	BUY	33.74	Ordinary	2,165	2,165
25-Sep-2020	Vanguard Investments Australia Ltd.	BUY	33.43	Ordinary	4,190	4,190
25-Sep-2020	Vanguard Investments Australia Ltd.	SELL	33.36	Ordinary	(756)	(756)
28-Sep-2020	Vanguard Investments Australia Ltd.	SELL	33.59	Ordinary	(522)	(522)
29-Sep-2020	Vanguard Investments Australia Ltd.	BUY	33.81	Ordinary	1,257	1,257
30-Sep-2020	Vanguard Investments Australia Ltd.	BUY	33.16	Ordinary	4,190	4,190
2-Oct-2020	Vanguard Investments Australia Ltd.	BUY	33.16	Ordinary	8,169	8,169
2-Oct-2020	Vanguard Investments Australia Ltd.	BUY	33.16	Ordinary	149	149
2-Oct-2020	Vanguard Investments Australia Ltd.	BUY	33.16	Ordinary	4,121	4,121
2-Oct-2020	Vanguard Investments Australia Ltd.	BUY	33.16	Ordinary	2,988	2,988
5-Oct-2020	Vanguard Investments Australia Ltd.	BUY	33.67	Ordinary	6,240	6,240
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	33.74	Ordinary	843	843
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	33.74	Ordinary	4,170	4,170
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	33.74	Ordinary	10,395	10,395
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	33.74	Ordinary	390	390
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	33.74	Ordinary	476	476
12-Oct-2020	Vanguard Investments Australia Ltd.	BUY	34.38	Ordinary	760	760
13-Oct-2020	Vanguard Investments Australia Ltd.	BUY	34.70	Ordinary	4,170	4,170
16-Oct-2020	Vanguard Investments Australia Ltd.	SELL	36.54	Ordinary	(416)	(416)
19-Oct-2020	Vanguard Investments Australia Ltd.	SELL	36.75	Ordinary	(813)	(813)
19-Oct-2020	Vanguard Investments Australia Ltd.	SELL	36.75	Ordinary	(28,143)	(28,143)
20-Oct-2020	Vanguard Investments Australia Ltd.	BUY	36.59	Ordinary	23,712	23,712
21-Oct-2020	Vanguard Investments Australia Ltd.	SELL	36.07	Ordinary	(651)	(651)
23-Oct-2020	Vanguard Investments Australia Ltd.	BUY	36.40	Ordinary	4,160	4,160
27-Oct-2020	Vanguard Investments Australia Ltd.	BUY	35.84	Ordinary	40,294	40,294
28-Oct-2020	Vanguard Investments Australia Ltd.	SELL	36.10	Ordinary	(3,324)	(3,324)
28-Oct-2020	Vanguard Investments Australia Ltd.	SELL	36.10	Ordinary	(8,381)	(8,381)
28-Oct-2020	Vanguard Investments Australia Ltd.	BUY	36.10	Ordinary	4,170	4,170
29-Oct-2020	Vanguard Investments Australia Ltd.	BUY	35.79	Ordinary	11,625	11,625
29-Oct-2020	Vanguard Investments Australia Ltd.	BUY	35.79	Ordinary	3,840	3,840
30-Oct-2020	Vanguard Investments Australia Ltd.	SELL	34.82	Ordinary	(9,669)	(9,669)
30-Oct-2020	Vanguard Investments Australia Ltd.	SELL	34.82	Ordinary	(1,526)	(1,526)
30-Oct-2020	Vanguard Investments Australia Ltd.	BUY	34.82	Ordinary	11,137	11,137
2-Nov-2020	Vanguard Investments Australia Ltd.	SELL	34.84	Ordinary	(10,703)	(10,703)
3-Nov-2020	Vanguard Investments Australia Ltd.	BUY	35.46	Ordinary	4,180	4,180
4-Nov-2020	Vanguard Investments Australia Ltd.	BUY	35.73	Ordinary	6,285	6,285
4-Nov-2020	Vanguard Investments Australia Ltd.	BUY	35.73	Ordinary	604	604
5-Nov-2020	Vanguard Investments Australia Ltd.	BUY	36.16	Ordinary	838	838
9-Nov-2020	Vanguard Investments Australia Ltd.	SELL	36.75	Ordinary	(147)	(147)
9-Nov-2020	Vanguard Investments Australia Ltd.	SELL	36.75	Ordinary	(2,161)	(2,161)
10-Nov-2020	Vanguard Investments Australia Ltd.	BUY	34.60	Ordinary	7,123	7,123
10-Nov-2020	Vanguard Investments Australia Ltd.	SELL	34.60	Ordinary	(2,283)	(2,283)
11-Nov-2020	Vanguard Investments Australia Ltd.	SELL	34.07	Ordinary	(10,838)	(10,838)
13-Nov-2020	Vanguard Investments Australia Ltd.	BUY	34.30	Ordinary	22,260	22,260
13-Nov-2020	Vanguard Investments Australia Ltd.	BUY	34.30	Ordinary	7,140	7,140
17-Nov-2020	Vanguard Investments Australia Ltd.	BUY	34.35	Ordinary	4,200	4,200
17-Nov-2020	Vanguard Investments Australia Ltd.	SELL	34.35	Ordinary	(7,213)	(7,213)
20-Nov-2020	Vanguard Investments Australia Ltd.	BUY	33.80	Ordinary	770	770

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
20-Nov-2020	Vanguard Investments Australia Ltd.	BUY	33.80	Ordinary	1,540	1,540
23-Nov-2020	Vanguard Investments Australia Ltd.	SELL	33.16	Ordinary	(10,468)	(10,468)
23-Nov-2020	Vanguard Investments Australia Ltd.	BUY	33.16	Ordinary	5,028	5,028
25-Nov-2020	Vanguard Investments Australia Ltd.	BUY	32.76	Ordinary	12,151	12,151
26-Nov-2020	Vanguard Investments Australia Ltd.	SELL	33.10	Ordinary	(13,834)	(13,834)
26-Nov-2020	Vanguard Investments Australia Ltd.	BUY	33.10	Ordinary	72,865	72,865
30-Nov-2020	Vanguard Investments Australia Ltd.	SELL	33.06	Ordinary	(2,735)	(2,735)
1-Dec-2020	Vanguard Investments Australia Ltd.	BUY	33.24	Ordinary	6,270	6,270
2-Dec-2020	Vanguard Investments Australia Ltd.	BUY	33.17	Ordinary	6,688	6,688
3-Dec-2020	Vanguard Investments Australia Ltd.	BUY	32.86	Ordinary	71,474	71,474
3-Dec-2020	Vanguard Investments Australia Ltd.	BUY	32.86	Ordinary	385	385
3-Dec-2020	Vanguard Investments Australia Ltd.	BUY	32.86	Ordinary	1,189	1,189
4-Dec-2020	Vanguard Investments Australia Ltd.	BUY	32.42	Ordinary	4,180	4,180
9-Dec-2020	Vanguard Investments Australia Ltd.	BUY	32.88	Ordinary	313	313
11-Dec-2020	Vanguard Investments Australia Ltd.	BUY	32.72	Ordinary	5,395	5,395
11-Dec-2020	Vanguard Investments Australia Ltd.	BUY	32.72	Ordinary	1,152	1,152
15-Dec-2020	Vanguard Investments Australia Ltd.	BUY	32.97	Ordinary	4,170	4,170
16-Dec-2020	Vanguard Investments Australia Ltd.	BUY	32.90	Ordinary	4,160	4,160
17-Dec-2020	Vanguard Investments Australia Ltd.	BUY	33.39	Ordinary	5,421	5,421
18-Dec-2020	Vanguard Investments Australia Ltd.	BUY	33.38	Ordinary	8,841	8,841
18-Dec-2020	Vanguard Investments Australia Ltd.	BUY	33.38	Ordinary	22,773	22,773
22-Dec-2020	Vanguard Investments Australia Ltd.	BUY	33.30	Ordinary	8,320	8,320
23-Dec-2020	Vanguard Investments Australia Ltd.	BUY	33.60	Ordinary	537	537
24-Dec-2020	Vanguard Investments Australia Ltd.	SELL	33.32	Ordinary	(1,037)	(1,037)
4-Jan-2021	Vanguard Investments Australia Ltd.	BUY	32.87	Ordinary	4,130	4,130
4-Jan-2021	Vanguard Investments Australia Ltd.	BUY	32.87	Ordinary	12,832	12,832
5-Jan-2021	Vanguard Investments Australia Ltd.	SELL	33.06	Ordinary	(1,440)	(1,440)
6-Jan-2021	Vanguard Investments Australia Ltd.	BUY	32.98	Ordinary	4,944	4,944
12-Jan-2021	Vanguard Investments Australia Ltd.	BUY	33.50	Ordinary	1,185	1,185
14-Jan-2021	Vanguard Investments Australia Ltd.	BUY	33.83	Ordinary	6,608	6,608
15-Jan-2021	Vanguard Investments Australia Ltd.	SELL	33.73	Ordinary	(236)	(236)
19-Jan-2021	Vanguard Investments Australia Ltd.	BUY	34.26	Ordinary	2,070	2,070
20-Jan-2021	Vanguard Investments Australia Ltd.	BUY	34.20	Ordinary	764	764
21-Jan-2021	Vanguard Investments Australia Ltd.	BUY	34.63	Ordinary	1,598	1,598
27-Jan-2021	Vanguard Investments Australia Ltd.	BUY	34.26	Ordinary	7,100	7,100
28-Jan-2021	Vanguard Investments Australia Ltd.	BUY	34.04	Ordinary	5,395	5,395
28-Jan-2021	Vanguard Investments Australia Ltd.	BUY	34.04	Ordinary	22,625	22,625
2-Feb-2021	Vanguard Investments Australia Ltd.	BUY	35.60	Ordinary	5,838	5,838
2-Feb-2021	Vanguard Investments Australia Ltd.	SELL	35.60	Ordinary	(1,479)	(1,479)
3-Feb-2021	Vanguard Investments Australia Ltd.	BUY	35.90	Ordinary	764	764
3-Feb-2021	Vanguard Investments Australia Ltd.	SELL	35.90	Ordinary	(717)	(717)
4-Feb-2021	Vanguard Investments Australia Ltd.	BUY	35.26	Ordinary	2,392	2,392
5-Feb-2021	Vanguard Investments Australia Ltd.	SELL	34.93	Ordinary	(1,491)	(1,491)
5-Feb-2021	Vanguard Investments Australia Ltd.	BUY	34.93	Ordinary	1,248	1,248
5-Feb-2021	Vanguard Investments Australia Ltd.	BUY	34.93	Ordinary	1,985	1,985
10-Feb-2021	Vanguard Investments Australia Ltd.	BUY	34.36	Ordinary	5,408	5,408
11-Feb-2021	Vanguard Investments Australia Ltd.	BUY	34.31	Ordinary	2,912	2,912
12-Feb-2021	Vanguard Investments Australia Ltd.	BUY	34.29	Ordinary	10,580	10,580
16-Feb-2021	Vanguard Investments Australia Ltd.	BUY	34.26	Ordinary	850	850
17-Feb-2021	Vanguard Investments Australia Ltd.	BUY	33.58	Ordinary	583	583
19-Feb-2021	Vanguard Investments Australia Ltd.	BUY	34.22	Ordinary	5,027	5,027
22-Feb-2021	Vanguard Investments Australia Ltd.	SELL	33.23	Ordinary	(105,425)	(105,425)
22-Feb-2021	Vanguard Investments Australia Ltd.	BUY	33.23	Ordinary	4,160	4,160
26-Feb-2021	Vanguard Investments Australia Ltd.	SELL	31.73	Ordinary	(5,146)	(5,146)
26-Feb-2021	Vanguard Investments Australia Ltd.	SELL	31.81	Ordinary	(2,576)	(2,576)
26-Feb-2021	Vanguard Investments Australia Ltd.	SELL	31.73	Ordinary	(1,897)	(1,897)
26-Feb-2021	Vanguard Investments Australia Ltd.	BUY	31.73	Ordinary	4,160	4,160
26-Feb-2021	Vanguard Investments Australia Ltd.	BUY	31.73	Ordinary	15,177	15,177
3-Mar-2021	Vanguard Investments Australia Ltd.	BUY	31.83	Ordinary	8,340	8,340
3-Mar-2021	Vanguard Investments Australia Ltd.	BUY	31.83	Ordinary	615	615
5-Mar-2021	Vanguard Investments Australia Ltd.	BUY	31.32	Ordinary	4,180	4,180
8-Mar-2021	Vanguard Investments Australia Ltd.	SELL	31.03	Ordinary	(3,510)	(3,510)
8-Mar-2021	Vanguard Investments Australia Ltd.	BUY	31.03	Ordinary	1,155	1,155
9-Mar-2021	Vanguard Investments Australia Ltd.	SELL	30.70	Ordinary	(4,118)	(4,118)
9-Mar-2021	Vanguard Investments Australia Ltd.	BUY	30.70	Ordinary	1,260	1,260
10-Mar-2021	Vanguard Investments Australia Ltd.	BUY	30.55	Ordinary	5,052	5,052
16-Mar-2021	Vanguard Investments Australia Ltd.	BUY	32.36	Ordinary	830	830
17-Mar-2021	Vanguard Investments Australia Ltd.	BUY	32.56	Ordinary	4,240	4,240

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19-Mar-2021	Vanguard Investments Australia Ltd.	SELL	32.67	Ordinary	(4,045)	(4,045)
25-Mar-2021	Vanguard Investments Australia Ltd.	SELL	35.58	Ordinary	(801)	(801)
30-Mar-2021	Vanguard Investments Australia Ltd.	BUY	35.21	Ordinary	5,473	5,473
30-Mar-2021	Vanguard Investments Australia Ltd.	BUY	35.21	Ordinary	4,631	4,631
31-Mar-2021	Vanguard Investments Australia Ltd.	SELL	35.09	Ordinary	(25,052)	(25,052)
31-Mar-2021	Vanguard Investments Australia Ltd.	BUY	35.09	Ordinary	722	722
31-Mar-2021	Vanguard Investments Australia Ltd.	SELL	35.49	Ordinary	(839)	(839)
1-Apr-2021	Vanguard Investments Australia Ltd.	INSPECIE	35.30	Ordinary	(852,059)	(852,059)
6-Apr-2021	Vanguard Investments Australia Ltd.	BUY	35.42	Ordinary	2,227	2,227
6-Apr-2021	Vanguard Investments Australia Ltd.	BUY	35.42	Ordinary	11,469	11,469
6-Apr-2021	Vanguard Investments Australia Ltd.	BUY	35.42	Ordinary	1,257	1,257
7-Apr-2021	Vanguard Investments Australia Ltd.	BUY	35.79	Ordinary	3,100	3,100
7-Apr-2021	Vanguard Investments Australia Ltd.	BUY	36.31	Ordinary	5,040	5,040
8-Apr-2021	Vanguard Investments Australia Ltd.	BUY	35.92	Ordinary	1,092	1,092
9-Apr-2021	Vanguard Investments Australia Ltd.	BUY	35.48	Ordinary	9,240	9,240
9-Apr-2021	Vanguard Investments Australia Ltd.	BUY	35.48	Ordinary	5,040	5,040
9-Apr-2021	Vanguard Investments Australia Ltd.	BUY	35.48	Ordinary	1,074	1,074
9-Apr-2021	Vanguard Investments Australia Ltd.	BUY	35.48	Ordinary	3,580	3,580
13-Apr-2021	Vanguard Investments Australia Ltd.	SELL	35.48	Ordinary	(1,728)	(1,728)
14-Apr-2021	Vanguard Investments Australia Ltd.	BUY	36.16	Ordinary	358	358
14-Apr-2021	Vanguard Investments Australia Ltd.	BUY	36.16	Ordinary	716	716
14-Apr-2021	Vanguard Investments Australia Ltd.	BUY	36.16	Ordinary	1,074	1,074
19-Apr-2021	Vanguard Investments Australia Ltd.	BUY	35.70	Ordinary	3,705	3,705
20-Apr-2021	Vanguard Investments Australia Ltd.	SELL	36.00	Ordinary	(3,674)	(3,674)
20-Apr-2021	Vanguard Investments Australia Ltd.	BUY	36.00	Ordinary	8,440	8,440
21-Apr-2021	Vanguard Investments Australia Ltd.	BUY	35.72	Ordinary	1,434	1,434
21-Apr-2021	Vanguard Investments Australia Ltd.	BUY	35.72	Ordinary	5,572	5,572
21-Apr-2021	Vanguard Investments Australia Ltd.	BUY	35.72	Ordinary	11,670	11,670
27-Apr-2021	Vanguard Investments Australia Ltd.	BUY	36.24	Ordinary	10,321	10,321
28-Apr-2021	Vanguard Investments Australia Ltd.	BUY	36.25	Ordinary	9,308	9,308
28-Apr-2021	Vanguard Investments Australia Ltd.	BUY	36.25	Ordinary	1,118	1,118
29-Apr-2021	Vanguard Investments Australia Ltd.	BUY	36.54	Ordinary	4,664	4,664
29-Apr-2021	Vanguard Investments Australia Ltd.	BUY	36.54	Ordinary	1,432	1,432
3-May-2021	Vanguard Investments Australia Ltd.	BUY	35.73	Ordinary	4,240	4,240
3-May-2021	Vanguard Investments Australia Ltd.	BUY	35.73	Ordinary	1,074	1,074
5-May-2021	Vanguard Investments Australia Ltd.	BUY	35.15	Ordinary	1,257	1,257
6-May-2021	Vanguard Investments Australia Ltd.	BUY	35.13	Ordinary	6,375	6,375
7-May-2021	Vanguard Investments Australia Ltd.	BUY	34.84	Ordinary	27,810	27,810
7-May-2021	Vanguard Investments Australia Ltd.	BUY	34.84	Ordinary	358	358
10-May-2021	Vanguard Investments Australia Ltd.	BUY	35.13	Ordinary	359	359
13-May-2021	Vanguard Investments Australia Ltd.	BUY	34.57	Ordinary	5,298	5,298
13-May-2021	Vanguard Investments Australia Ltd.	BUY	34.57	Ordinary	4,249	4,249
13-May-2021	Vanguard Investments Australia Ltd.	BUY	34.57	Ordinary	7,914	7,914
13-May-2021	Vanguard Investments Australia Ltd.	BUY	34.57	Ordinary	1,077	1,077
13-May-2021	Vanguard Investments Australia Ltd.	BUY	34.57	Ordinary	718	718
14-May-2021	Vanguard Investments Australia Ltd.	BUY	35.36	Ordinary	5,950	5,950
17-May-2021	Vanguard Investments Australia Ltd.	SELL	35.10	Ordinary	(5,373)	(5,373)
17-May-2021	Vanguard Investments Australia Ltd.	BUY	35.10	Ordinary	5,112	5,112
17-May-2021	Vanguard Investments Australia Ltd.	BUY	35.10	Ordinary	8,485	8,485
18-May-2021	Vanguard Investments Australia Ltd.	BUY	34.60	Ordinary	5,400	5,400
19-May-2021	Vanguard Investments Australia Ltd.	BUY	34.07	Ordinary	5,564	5,564
20-May-2021	Vanguard Investments Australia Ltd.	INSPECIE	34.20	Ordinary	(1,724,071)	(1,724,071)
20-May-2021	Vanguard Investments Australia Ltd.	INSPECIE	34.20	Ordinary	(14,663)	(14,663)
20-May-2021	Vanguard Investments Australia Ltd.	BUY	34.20	Ordinary	1,080	1,080
20-May-2021	Vanguard Investments Australia Ltd.	BUY	34.20	Ordinary	1,052	1,052
21-May-2021	Vanguard Investments Australia Ltd.	BUY	34.31	Ordinary	8,580	8,580
21-May-2021	Vanguard Investments Australia Ltd.	BUY	34.31	Ordinary	360	360
21-May-2021	Vanguard Investments Australia Ltd.	BUY	34.31	Ordinary	2,520	2,520
25-May-2021	Vanguard Investments Australia Ltd.	BUY	34.95	Ordinary	5,148	5,148
26-May-2021	Vanguard Investments Australia Ltd.	BUY	34.63	Ordinary	359	359
26-May-2021	Vanguard Investments Australia Ltd.	BUY	34.63	Ordinary	1,032	1,032
27-May-2021	Vanguard Investments Australia Ltd.	SELL	34.41	Ordinary	(2,566)	(2,566)
3-Jun-2021	Vanguard Investments Australia Ltd.	BUY	34.87	Ordinary	360	360
8-Jun-2021	Vanguard Investments Australia Ltd.	SELL	35.52	Ordinary	(1,465)	(1,465)
8-Jun-2021	Vanguard Investments Australia Ltd.	BUY	35.52	Ordinary	5,196	5,196
9-Jun-2021	Vanguard Investments Australia Ltd.	BUY	35.63	Ordinary	5,184	5,184
15-Jun-2021	Vanguard Investments Australia Ltd.	BUY	36.46	Ordinary	360	360
18-Jun-2021	Vanguard Investments Australia Ltd.	SELL	37.81	Ordinary	(2,701)	(2,701)

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22-Jun-2021	Vanguard Investments Australia Ltd.	BUY	37.94	Ordinary	4,280	4,280
22-Jun-2021	Vanguard Investments Australia Ltd.	BUY	37.94	Ordinary	1,712	1,712
23-Jun-2021	Vanguard Investments Australia Ltd.	INSPECIE	37.74	Ordinary	(793,104)	(793,104)
23-Jun-2021	Vanguard Investments Australia Ltd.	INSPECIE	37.74	Ordinary	(325,524)	(325,524)
23-Jun-2021	Vanguard Investments Australia Ltd.	BUY	37.74	Ordinary	714	714
24-Jun-2021	Vanguard Investments Australia Ltd.	BUY	37.39	Ordinary	714	714
24-Jun-2021	Vanguard Investments Australia Ltd.	BUY	37.39	Ordinary	1,751	1,751
29-Jun-2021	Vanguard Investments Australia Ltd.	BUY	37.88	Ordinary	5,148	5,148
1-Jul-2021	Vanguard Investments Australia Ltd.	BUY	38.08	Ordinary	1,354	1,354
2-Jul-2021	Vanguard Investments Australia Ltd.	BUY	38.06	Ordinary	2,135	2,135
2-Jul-2021	Vanguard Investments Australia Ltd.	BUY	38.06	Ordinary	1,071	1,071
6-Jul-2021	Vanguard Investments Australia Ltd.	BUY	36.96	Ordinary	7,928	7,928
7-Jul-2021	Vanguard Investments Australia Ltd.	BUY	37.69	Ordinary	6,006	6,006
9-Jul-2021	Vanguard Investments Australia Ltd.	BUY	38.03	Ordinary	7,310	7,310
9-Jul-2021	Vanguard Investments Australia Ltd.	BUY	38.03	Ordinary	6,020	6,020
9-Jul-2021	Vanguard Investments Australia Ltd.	BUY	38.03	Ordinary	16,834	16,834
12-Jul-2021	Vanguard Investments Australia Ltd.	BUY	38.05	Ordinary	632	632
12-Jul-2021	Vanguard Investments Australia Ltd.	BUY	38.05	Ordinary	2,582	2,582
13-Jul-2021	Vanguard Investments Australia Ltd.	BUY	38.66	Ordinary	1,428	1,428
13-Jul-2021	Vanguard Investments Australia Ltd.	BUY	38.66	Ordinary	2,856	2,856
15-Jul-2021	Vanguard Investments Australia Ltd.	BUY	38.76	Ordinary	21,234	21,234
15-Jul-2021	Vanguard Investments Australia Ltd.	BUY	38.76	Ordinary	12,706	12,706
15-Jul-2021	Vanguard Investments Australia Ltd.	BUY	38.76	Ordinary	252	252
19-Jul-2021	Vanguard Investments Australia Ltd.	BUY	39.84	Ordinary	2,160	2,160
20-Jul-2021	Vanguard Investments Australia Ltd.	SELL	39.59	Ordinary	(681)	(681)
20-Jul-2021	Vanguard Investments Australia Ltd.	BUY	39.59	Ordinary	5,172	5,172
20-Jul-2021	Vanguard Investments Australia Ltd.	BUY	39.59	Ordinary	15,920	15,920
22-Jul-2021	Vanguard Investments Australia Ltd.	BUY	39.56	Ordinary	2,555	2,555
23-Jul-2021	Vanguard Investments Australia Ltd.	BUY	40.10	Ordinary	5,172	5,172
26-Jul-2021	Vanguard Investments Australia Ltd.	SELL	40.10	Ordinary	(3,680)	(3,680)
29-Jul-2021	Vanguard Investments Australia Ltd.	BUY	40.22	Ordinary	358	358
30-Jul-2021	Vanguard Investments Australia Ltd.	BUY	40.02	Ordinary	402	402
3-Aug-2021	Vanguard Investments Australia Ltd.	BUY	40.51	Ordinary	6,076	6,076
5-Aug-2021	Vanguard Investments Australia Ltd.	BUY	40.72	Ordinary	1,074	1,074
6-Aug-2021	Vanguard Investments Australia Ltd.	BUY	40.54	Ordinary	467	467
6-Aug-2021	Vanguard Investments Australia Ltd.	BUY	40.54	Ordinary	7,116	7,116
6-Aug-2021	Vanguard Investments Australia Ltd.	BUY	40.54	Ordinary	23,348	23,348
6-Aug-2021	Vanguard Investments Australia Ltd.	BUY	40.54	Ordinary	1,432	1,432
9-Aug-2021	Vanguard Investments Australia Ltd.	BUY	40.80	Ordinary	5,220	5,220
10-Aug-2021	Vanguard Investments Australia Ltd.	BUY	41.06	Ordinary	732	732
11-Aug-2021	Vanguard Investments Australia Ltd.	SELL	41.03	Ordinary	(2,314)	(2,314)
12-Aug-2021	Vanguard Investments Australia Ltd.	SELL	40.94	Ordinary	(881)	(881)
12-Aug-2021	Vanguard Investments Australia Ltd.	BUY	40.94	Ordinary	6,267	6,267
12-Aug-2021	Vanguard Investments Australia Ltd.	BUY	40.94	Ordinary	28,621	28,621
13-Aug-2021	Vanguard Investments Australia Ltd.	BUY	41.45	Ordinary	406	406
16-Aug-2021	Vanguard Investments Australia Ltd.	BUY	41.65	Ordinary	8,700	8,700
18-Aug-2021	Vanguard Investments Australia Ltd.	BUY	42.13	Ordinary	3,488	3,488
18-Aug-2021	Vanguard Investments Australia Ltd.	BUY	42.13	Ordinary	8,720	8,720
18-Aug-2021	Vanguard Investments Australia Ltd.	BUY	42.13	Ordinary	1,077	1,077
18-Aug-2021	Vanguard Investments Australia Ltd.	BUY	42.13	Ordinary	892	892
19-Aug-2021	Vanguard Investments Australia Ltd.	BUY	42.40	Ordinary	5,655	5,655
20-Aug-2021	Vanguard Investments Australia Ltd.	BUY	42.83	Ordinary	2,175	2,175
23-Aug-2021	Vanguard Investments Australia Ltd.	BUY	41.65	Ordinary	720	720
23-Aug-2021	Vanguard Investments Australia Ltd.	BUY	41.65	Ordinary	342	342
25-Aug-2021	Vanguard Investments Australia Ltd.	SELL	42.35	Ordinary	(1,976)	(1,976)
25-Aug-2021	Vanguard Investments Australia Ltd.	BUY	42.35	Ordinary	5,655	5,655
25-Aug-2021	Vanguard Investments Australia Ltd.	BUY	42.35	Ordinary	25,042	25,042
25-Aug-2021	Vanguard Investments Australia Ltd.	BUY	42.35	Ordinary	1,033	1,033
26-Aug-2021	Vanguard Investments Australia Ltd.	BUY	42.49	Ordinary	4,360	4,360
30-Aug-2021	Vanguard Investments Australia Ltd.	BUY	42.61	Ordinary	6,076	6,076
30-Aug-2021	Vanguard Investments Australia Ltd.	BUY	42.61	Ordinary	1,080	1,080
31-Aug-2021	Vanguard Investments Australia Ltd.	BUY	43.40	Ordinary	544	544
1-Sep-2021	Vanguard Investments Australia Ltd.	BUY	43.30	Ordinary	448	448
2-Sep-2021	Vanguard Investments Australia Ltd.	BUY	43.24	Ordinary	6,928	6,928
2-Sep-2021	Vanguard Investments Australia Ltd.	BUY	43.24	Ordinary	1,080	1,080
3-Sep-2021	Vanguard Investments Australia Ltd.	BUY	43.75	Ordinary	1,440	1,440
3-Sep-2021	Vanguard Investments Australia Ltd.	BUY	43.98	Ordinary	568	568
6-Sep-2021	Vanguard Investments Australia Ltd.	BUY	43.55	Ordinary	5,184	5,184

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
8-Sep-2021	Vanguard Investments Australia Ltd.	BUY	41.75	Ordinary	12,800	12,800
9-Sep-2021	Vanguard Investments Australia Ltd.	SELL	41.63	Ordinary	(416)	(416)
9-Sep-2021	Vanguard Investments Australia Ltd.	BUY	41.63	Ordinary	6,048	6,048
9-Sep-2021	Vanguard Investments Australia Ltd.	BUY	41.63	Ordinary	7,355	7,355
9-Sep-2021	Vanguard Investments Australia Ltd.	BUY	41.63	Ordinary	1,028	1,028
10-Sep-2021	Vanguard Investments Australia Ltd.	BUY	41.63	Ordinary	1,870	1,870
15-Sep-2021	Vanguard Investments Australia Ltd.	SELL	42.16	Ordinary	(806)	(806)
15-Sep-2021	Vanguard Investments Australia Ltd.	BUY	42.16	Ordinary	5,160	5,160
17-Sep-2021	Vanguard Investments Australia Ltd.	SELL	42.12	Ordinary	(815)	(815)
17-Sep-2021	Vanguard Investments Australia Ltd.	BUY	42.12	Ordinary	1,448	1,448
17-Sep-2021	Vanguard Investments Australia Ltd.	BUY	42.13	Ordinary	3,619	3,619
20-Sep-2021	Vanguard Investments Australia Ltd.	BUY	41.68	Ordinary	5,894	5,894
20-Sep-2021	Vanguard Investments Australia Ltd.	BUY	41.68	Ordinary	1,452	1,452
22-Sep-2021	Vanguard Investments Australia Ltd.	BUY	41.72	Ordinary	724	724
22-Sep-2021	Vanguard Investments Australia Ltd.	BUY	41.72	Ordinary	878	878
23-Sep-2021	Vanguard Investments Australia Ltd.	BUY	41.49	Ordinary	7,174	7,174
24-Sep-2021	Vanguard Investments Australia Ltd.	BUY	40.59	Ordinary	2,379	2,379
27-Sep-2021	Vanguard Investments Australia Ltd.	BUY	41.17	Ordinary	3,620	3,620
28-Sep-2021	Vanguard Investments Australia Ltd.	BUY	39.46	Ordinary	5,040	5,040
29-Sep-2021	Vanguard Investments Australia Ltd.	BUY	39.34	Ordinary	2,095	2,095
1-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.83	Ordinary	6,592	6,592
1-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.83	Ordinary	6,180	6,180
1-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.83	Ordinary	1,790	1,790
1-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.83	Ordinary	1,432	1,432
4-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.66	Ordinary	2,060	2,060
5-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.63	Ordinary	2,864	2,864
5-Oct-2021	Vanguard Investments Australia Ltd.	BUY	40.11	Ordinary	644	644
6-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.44	Ordinary	333	333
8-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.96	Ordinary	1,098	1,098
8-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.96	Ordinary	6,640	6,640
11-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.28	Ordinary	1,800	1,800
12-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.19	Ordinary	2,643	2,643
12-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.19	Ordinary	837	837
12-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.19	Ordinary	2,520	2,520
14-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.48	Ordinary	479	479
15-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.11	Ordinary	5,369	5,369
18-Oct-2021	Vanguard Investments Australia Ltd.	SELL	38.89	Ordinary	(2,289)	(2,289)
18-Oct-2021	Vanguard Investments Australia Ltd.	SELL	38.89	Ordinary	(6,488)	(6,488)
18-Oct-2021	Vanguard Investments Australia Ltd.	BUY	38.89	Ordinary	1,440	1,440
19-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.08	Ordinary	1,440	1,440
21-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.92	Ordinary	5,356	5,356
26-Oct-2021	Vanguard Investments Australia Ltd.	BUY	39.25	Ordinary	1,440	1,440
27-Oct-2021	Vanguard Investments Australia Ltd.	INSPECIE	40.71	Ordinary	(217,872)	(217,872)
28-Oct-2021	Vanguard Investments Australia Ltd.	BUY	40.50	Ordinary	45,325	45,325
28-Oct-2021	Vanguard Investments Australia Ltd.	BUY	40.52	Ordinary	636	636
29-Oct-2021	Vanguard Investments Australia Ltd.	BUY	40.03	Ordinary	6,210	6,210
29-Oct-2021	Vanguard Investments Australia Ltd.	BUY	40.03	Ordinary	1,440	1,440
1-Nov-2021	Vanguard Investments Australia Ltd.	BUY	40.66	Ordinary	2,075	2,075
2-Nov-2021	Vanguard Investments Australia Ltd.	SELL	40.39	Ordinary	(23,266)	(23,266)
3-Nov-2021	Vanguard Investments Australia Ltd.	BUY	40.54	Ordinary	1,004	1,004
3-Nov-2021	Vanguard Investments Australia Ltd.	BUY	40.54	Ordinary	549	549
4-Nov-2021	Vanguard Investments Australia Ltd.	BUY	40.87	Ordinary	5,028	5,028
5-Nov-2021	Vanguard Investments Australia Ltd.	INSPECIE	40.54	Ordinary	(2,244,781)	(2,244,781)
5-Nov-2021	Vanguard Investments Australia Ltd.	BUY	40.91	Ordinary	25,589	25,589
5-Nov-2021	Vanguard Investments Australia Ltd.	BUY	40.91	Ordinary	354	354
5-Nov-2021	Vanguard Investments Australia Ltd.	BUY	40.91	Ordinary	1,440	1,440

This is Annexure A of 39 pages referred to in Form 605, Notice of ceasing to be a substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 18 November 2021