

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

To Company Name/Scheme Macquarie Group Limited
 ACN/ARSN 122 169 279

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 24 June 2021

The previous notice was given to the company on 16 October 2019

The previous notice was dated 16 October 2019

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
24 June 2021	Vanguard Investments Australia Ltd.	Vanguard Investments Australia Ltd. has ceased to be the Investment Manager for an institutional client mandate and as a result has ceased to hold a relevant interest in the shares held within that mandate.	Nil – There is no sell down activity associated with this change.	1,134,194 shares	Vanguard Group now holds 4.759% of voting power
See Annexure A for all other transactions					

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 29 June 2021

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant interests (eg. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 4 of the form.
- (2) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (3) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (4) Include details of:
- (a) any relevant agreement or other circumstances because of which the change in relevant interest occurred. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
 - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).
- See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.
- (5) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.
- (6) The voting shares of a company constitute one class unless divided into separate classes.
- (7) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.

To Company
ACN/ARSN

Macquarie Group Limited
122 169 279

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
15-Oct-2019	The Vanguard Group, Inc.	BUY	133.18	Ordinary	432	432
15-Oct-2019	The Vanguard Group, Inc.	SELL	131.34	Ordinary	(68)	(68)
16-Oct-2019	The Vanguard Group, Inc.	BUY	134.11	Ordinary	384	384
16-Oct-2019	The Vanguard Group, Inc.	BUY	134.27	Ordinary	111	111
18-Oct-2019	The Vanguard Group, Inc.	BUY	133.49	Ordinary	1,614	1,614
21-Oct-2019	The Vanguard Group, Inc.	BUY	133.52	Ordinary	384	384
21-Oct-2019	The Vanguard Group, Inc.	BUY	133.14	Ordinary	163	163
22-Oct-2019	The Vanguard Group, Inc.	BUY	133.04	Ordinary	3,764	3,764
23-Oct-2019	The Vanguard Group, Inc.	BUY	132.47	Ordinary	540	540
25-Oct-2019	The Vanguard Group, Inc.	BUY	135.43	Ordinary	255	255
25-Oct-2019	The Vanguard Group, Inc.	BUY	135.43	Ordinary	384	384
25-Oct-2019	The Vanguard Group, Inc.	SELL	135.43	Ordinary	(3,588)	(3,588)
25-Oct-2019	The Vanguard Group, Inc.	BUY	134.98	Ordinary	3,722	3,722
25-Oct-2019	The Vanguard Group, Inc.	SELL	134.98	Ordinary	(9)	(9)
25-Oct-2019	The Vanguard Group, Inc.	BUY	134.98	Ordinary	163	163
28-Oct-2019	The Vanguard Group, Inc.	BUY	135.39	Ordinary	10,023	10,023
29-Oct-2019	The Vanguard Group, Inc.	SELL	135.98	Ordinary	(3,518)	(3,518)
29-Oct-2019	The Vanguard Group, Inc.	BUY	135.98	Ordinary	353	353
30-Oct-2019	The Vanguard Group, Inc.	BUY	135.50	Ordinary	2,500	2,500
31-Oct-2019	The Vanguard Group, Inc.	SELL	133.92	Ordinary	(5,155)	(5,155)
1-Nov-2019	The Vanguard Group, Inc.	BUY	134.27	Ordinary	111	111
4-Nov-2019	The Vanguard Group, Inc.	SELL	135.05	Ordinary	(4,932)	(4,932)
4-Nov-2019	The Vanguard Group, Inc.	SELL	134.60	Ordinary	(79)	(79)
5-Nov-2019	The Vanguard Group, Inc.	BUY	136.33	Ordinary	1,080	1,080
5-Nov-2019	The Vanguard Group, Inc.	BUY	134.96	Ordinary	1,444	1,444
5-Nov-2019	The Vanguard Group, Inc.	SELL	134.96	Ordinary	(99)	(99)
6-Nov-2019	The Vanguard Group, Inc.	BUY	137.39	Ordinary	12,036	12,036
6-Nov-2019	The Vanguard Group, Inc.	BUY	135.62	Ordinary	540	540
7-Nov-2019	The Vanguard Group, Inc.	BUY	135.94	Ordinary	4,303	4,303
7-Nov-2019	The Vanguard Group, Inc.	BUY	135.94	Ordinary	1,471	1,471
7-Nov-2019	The Vanguard Group, Inc.	BUY	136.45	Ordinary	864	864
8-Nov-2019	The Vanguard Group, Inc.	BUY	138.42	Ordinary	172	172
8-Nov-2019	The Vanguard Group, Inc.	BUY	137.74	Ordinary	42	42
8-Nov-2019	The Vanguard Group, Inc.	BUY	137.74	Ordinary	163	163
11-Nov-2019	The Vanguard Group, Inc.	BUY	136.40	Ordinary	756	756
13-Nov-2019	The Vanguard Group, Inc.	BUY	136.73	Ordinary	720	720
13-Nov-2019	The Vanguard Group, Inc.	BUY	136.07	Ordinary	48	48
13-Nov-2019	The Vanguard Group, Inc.	BUY	136.07	Ordinary	27	27
14-Nov-2019	The Vanguard Group, Inc.	BUY	136.35	Ordinary	4,176	4,176
15-Nov-2019	The Vanguard Group, Inc.	BUY	138.18	Ordinary	432	432
15-Nov-2019	The Vanguard Group, Inc.	BUY	138.18	Ordinary	172	172
18-Nov-2019	The Vanguard Group, Inc.	BUY	136.81	Ordinary	594	594
18-Nov-2019	The Vanguard Group, Inc.	BUY	136.81	Ordinary	576	576
18-Nov-2019	The Vanguard Group, Inc.	BUY	136.65	Ordinary	27	27
18-Nov-2019	The Vanguard Group, Inc.	BUY	136.65	Ordinary	333	333
19-Nov-2019	The Vanguard Group, Inc.	BUY	137.81	Ordinary	160	160
20-Nov-2019	The Vanguard Group, Inc.	BUY	135.03	Ordinary	181	181
21-Nov-2019	The Vanguard Group, Inc.	BUY	134.67	Ordinary	172	172
21-Nov-2019	The Vanguard Group, Inc.	BUY	134.42	Ordinary	48	48
22-Nov-2019	The Vanguard Group, Inc.	BUY	134.98	Ordinary	864	864
22-Nov-2019	The Vanguard Group, Inc.	SELL	134.00	Ordinary	(227)	(227)
22-Nov-2019	The Vanguard Group, Inc.	BUY	134.88	Ordinary	48	48
22-Nov-2019	The Vanguard Group, Inc.	BUY	134.88	Ordinary	222	222
25-Nov-2019	The Vanguard Group, Inc.	BUY	135.90	Ordinary	1,080	1,080
25-Nov-2019	The Vanguard Group, Inc.	BUY	134.90	Ordinary	1,222	1,222
25-Nov-2019	The Vanguard Group, Inc.	BUY	135.30	Ordinary	111	111
26-Nov-2019	The Vanguard Group, Inc.	BUY	136.43	Ordinary	720	720
26-Nov-2019	The Vanguard Group, Inc.	BUY	136.43	Ordinary	86	86
26-Nov-2019	The Vanguard Group, Inc.	SELL	136.30	Ordinary	(28)	(28)
26-Nov-2019	The Vanguard Group, Inc.	BUY	136.30	Ordinary	3,396	3,396
27-Nov-2019	The Vanguard Group, Inc.	BUY	137.64	Ordinary	192	192

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
27-Nov-2019	The Vanguard Group, Inc.	BUY	137.36	Ordinary	111	111
27-Nov-2019	The Vanguard Group, Inc.	BUY	137.36	Ordinary	597	597
27-Nov-2019	The Vanguard Group, Inc.	SELL	137.06	Ordinary	(87)	(87)
29-Nov-2019	The Vanguard Group, Inc.	BUY	138.15	Ordinary	2,880	2,880
29-Nov-2019	The Vanguard Group, Inc.	BUY	138.15	Ordinary	172	172
29-Nov-2019	The Vanguard Group, Inc.	BUY	138.05	Ordinary	111	111
29-Nov-2019	The Vanguard Group, Inc.	BUY	138.05	Ordinary	160	160
29-Nov-2019	The Vanguard Group, Inc.	BUY	138.05	Ordinary	93	93
2-Dec-2019	The Vanguard Group, Inc.	BUY	136.70	Ordinary	4,494	4,494
3-Dec-2019	The Vanguard Group, Inc.	BUY	134.17	Ordinary	768	768
3-Dec-2019	The Vanguard Group, Inc.	BUY	134.77	Ordinary	652	652
3-Dec-2019	The Vanguard Group, Inc.	BUY	134.77	Ordinary	320	320
3-Dec-2019	The Vanguard Group, Inc.	BUY	134.77	Ordinary	160	160
4-Dec-2019	The Vanguard Group, Inc.	BUY	132.85	Ordinary	432	432
4-Dec-2019	The Vanguard Group, Inc.	BUY	133.16	Ordinary	1,216	1,216
4-Dec-2019	The Vanguard Group, Inc.	BUY	132.50	Ordinary	78	78
4-Dec-2019	The Vanguard Group, Inc.	BUY	132.50	Ordinary	222	222
4-Dec-2019	The Vanguard Group, Inc.	BUY	132.50	Ordinary	2,916	2,916
5-Dec-2019	The Vanguard Group, Inc.	BUY	133.90	Ordinary	7,216	7,216
5-Dec-2019	The Vanguard Group, Inc.	BUY	133.63	Ordinary	888	888
5-Dec-2019	The Vanguard Group, Inc.	BUY	133.90	Ordinary	3,704	3,704
6-Dec-2019	The Vanguard Group, Inc.	BUY	135.10	Ordinary	296	296
6-Dec-2019	The Vanguard Group, Inc.	BUY	133.80	Ordinary	262	262
6-Dec-2019	The Vanguard Group, Inc.	BUY	135.10	Ordinary	5,752	5,752
9-Dec-2019	The Vanguard Group, Inc.	BUY	135.78	Ordinary	485	485
9-Dec-2019	The Vanguard Group, Inc.	BUY	135.73	Ordinary	948	948
10-Dec-2019	The Vanguard Group, Inc.	BUY	135.38	Ordinary	160	160
11-Dec-2019	The Vanguard Group, Inc.	BUY	135.53	Ordinary	6,202	6,202
11-Dec-2019	The Vanguard Group, Inc.	BUY	135.26	Ordinary	648	648
11-Dec-2019	The Vanguard Group, Inc.	BUY	135.26	Ordinary	172	172
11-Dec-2019	The Vanguard Group, Inc.	BUY	135.26	Ordinary	172	172
11-Dec-2019	The Vanguard Group, Inc.	BUY	135.50	Ordinary	41	41
11-Dec-2019	The Vanguard Group, Inc.	BUY	134.45	Ordinary	810	810
12-Dec-2019	The Vanguard Group, Inc.	BUY	134.45	Ordinary	627	627
12-Dec-2019	The Vanguard Group, Inc.	BUY	134.12	Ordinary	40	40
13-Dec-2019	The Vanguard Group, Inc.	BUY	136.43	Ordinary	384	384
13-Dec-2019	The Vanguard Group, Inc.	SELL	135.55	Ordinary	(64)	(64)
16-Dec-2019	The Vanguard Group, Inc.	BUY	139.05	Ordinary	172	172
16-Dec-2019	The Vanguard Group, Inc.	BUY	138.65	Ordinary	592	592
17-Dec-2019	The Vanguard Group, Inc.	BUY	138.11	Ordinary	1,080	1,080
17-Dec-2019	The Vanguard Group, Inc.	BUY	138.11	Ordinary	594	594
17-Dec-2019	The Vanguard Group, Inc.	BUY	138.10	Ordinary	44	44
20-Dec-2019	The Vanguard Group, Inc.	BUY	140.19	Ordinary	61,760	61,760
20-Dec-2019	The Vanguard Group, Inc.	BUY	140.19	Ordinary	2,563	2,563
20-Dec-2019	The Vanguard Group, Inc.	BUY	140.19	Ordinary	75,949	75,949
20-Dec-2019	The Vanguard Group, Inc.	BUY	140.19	Ordinary	24,671	24,671
20-Dec-2019	The Vanguard Group, Inc.	BUY	140.19	Ordinary	2,001	2,001
20-Dec-2019	The Vanguard Group, Inc.	BUY	140.19	Ordinary	6,023	6,023
20-Dec-2019	The Vanguard Group, Inc.	BUY	140.19	Ordinary	107	107
20-Dec-2019	The Vanguard Group, Inc.	BUY	140.19	Ordinary	601	601
20-Dec-2019	The Vanguard Group, Inc.	BUY	140.19	Ordinary	19	19
20-Dec-2019	The Vanguard Group, Inc.	BUY	140.19	Ordinary	955	955
20-Dec-2019	The Vanguard Group, Inc.	BUY	140.19	Ordinary	3,651	3,651
20-Dec-2019	The Vanguard Group, Inc.	BUY	140.19	Ordinary	610	610
20-Dec-2019	The Vanguard Group, Inc.	BUY	140.19	Ordinary	1,828	1,828
20-Dec-2019	The Vanguard Group, Inc.	BUY	140.19	Ordinary	954	954
20-Dec-2019	The Vanguard Group, Inc.	BUY	140.19	Ordinary	276	276
23-Dec-2019	The Vanguard Group, Inc.	BUY	138.99	Ordinary	963	963
23-Dec-2019	The Vanguard Group, Inc.	BUY	138.99	Ordinary	4,494	4,494
23-Dec-2019	The Vanguard Group, Inc.	BUY	138.99	Ordinary	576	576
23-Dec-2019	The Vanguard Group, Inc.	SELL	139.13	Ordinary	(14,667)	(14,667)
23-Dec-2019	The Vanguard Group, Inc.	BUY	139.99	Ordinary	31	31
24-Dec-2019	The Vanguard Group, Inc.	BUY	139.07	Ordinary	1,926	1,926
24-Dec-2019	The Vanguard Group, Inc.	BUY	139.22	Ordinary	222	222
26-Dec-2019	The Vanguard Group, Inc.	BUY	139.46	Ordinary	4,815	4,815
27-Dec-2019	The Vanguard Group, Inc.	BUY	140.02	Ordinary	67,413	67,413
27-Dec-2019	The Vanguard Group, Inc.	BUY	140.02	Ordinary	2,778	2,778
27-Dec-2019	The Vanguard Group, Inc.	BUY	139.59	Ordinary	172	172

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
27-Dec-2019	The Vanguard Group, Inc.	BUY	140.02	Ordinary	201	201
27-Dec-2019	The Vanguard Group, Inc.	BUY	140.23	Ordinary	431	431
30-Dec-2019	The Vanguard Group, Inc.	BUY	139.57	Ordinary	6,423	6,423
30-Dec-2019	The Vanguard Group, Inc.	BUY	138.42	Ordinary	540	540
30-Dec-2019	The Vanguard Group, Inc.	SELL	140.11	Ordinary	(3,042)	(3,042)
30-Dec-2019	The Vanguard Group, Inc.	SELL	139.07	Ordinary	(230)	(230)
30-Dec-2019	The Vanguard Group, Inc.	BUY	139.07	Ordinary	111	111
30-Dec-2019	The Vanguard Group, Inc.	BUY	139.07	Ordinary	952	952
31-Dec-2019	The Vanguard Group, Inc.	BUY	138.00	Ordinary	9,678	9,678
31-Dec-2019	The Vanguard Group, Inc.	BUY	137.85	Ordinary	168	168
31-Dec-2019	The Vanguard Group, Inc.	BUY	137.85	Ordinary	168	168
2-Jan-2020	The Vanguard Group, Inc.	BUY	138.16	Ordinary	172	172
2-Jan-2020	The Vanguard Group, Inc.	BUY	137.53	Ordinary	111	111
3-Jan-2020	The Vanguard Group, Inc.	BUY	138.72	Ordinary	49,720	49,720
3-Jan-2020	The Vanguard Group, Inc.	BUY	138.46	Ordinary	172	172
6-Jan-2020	The Vanguard Group, Inc.	BUY	137.25	Ordinary	8,272	8,272
6-Jan-2020	The Vanguard Group, Inc.	BUY	138.22	Ordinary	516	516
6-Jan-2020	The Vanguard Group, Inc.	BUY	137.63	Ordinary	228	228
6-Jan-2020	The Vanguard Group, Inc.	BUY	138.22	Ordinary	199	199
7-Jan-2020	The Vanguard Group, Inc.	BUY	139.43	Ordinary	14,407	14,407
7-Jan-2020	The Vanguard Group, Inc.	BUY	139.51	Ordinary	601	601
7-Jan-2020	The Vanguard Group, Inc.	BUY	139.51	Ordinary	184	184
8-Jan-2020	The Vanguard Group, Inc.	BUY	139.30	Ordinary	1,620	1,620
8-Jan-2020	The Vanguard Group, Inc.	BUY	138.50	Ordinary	168	168
8-Jan-2020	The Vanguard Group, Inc.	BUY	138.50	Ordinary	5,175	5,175
9-Jan-2020	The Vanguard Group, Inc.	BUY	139.72	Ordinary	486	486
9-Jan-2020	The Vanguard Group, Inc.	SELL	139.13	Ordinary	(1,374)	(1,374)
9-Jan-2020	The Vanguard Group, Inc.	BUY	139.72	Ordinary	5,778	5,778
9-Jan-2020	The Vanguard Group, Inc.	BUY	139.13	Ordinary	2,131	2,131
9-Jan-2020	The Vanguard Group, Inc.	BUY	139.13	Ordinary	644	644
10-Jan-2020	The Vanguard Group, Inc.	BUY	140.03	Ordinary	4,213	4,213
10-Jan-2020	The Vanguard Group, Inc.	BUY	139.58	Ordinary	894	894
10-Jan-2020	The Vanguard Group, Inc.	BUY	139.58	Ordinary	398	398
10-Jan-2020	The Vanguard Group, Inc.	SELL	139.86	Ordinary	(105)	(105)
10-Jan-2020	The Vanguard Group, Inc.	BUY	140.35	Ordinary	222	222
10-Jan-2020	The Vanguard Group, Inc.	BUY	140.35	Ordinary	168	168
10-Jan-2020	The Vanguard Group, Inc.	BUY	140.35	Ordinary	1,037	1,037
13-Jan-2020	The Vanguard Group, Inc.	BUY	139.50	Ordinary	620	620
13-Jan-2020	The Vanguard Group, Inc.	BUY	139.50	Ordinary	168	168
14-Jan-2020	The Vanguard Group, Inc.	BUY	140.42	Ordinary	5,844	5,844
14-Jan-2020	The Vanguard Group, Inc.	BUY	141.03	Ordinary	398	398
15-Jan-2020	The Vanguard Group, Inc.	BUY	141.55	Ordinary	2,568	2,568
15-Jan-2020	The Vanguard Group, Inc.	BUY	141.51	Ordinary	168	168
16-Jan-2020	The Vanguard Group, Inc.	BUY	144.25	Ordinary	2,889	2,889
16-Jan-2020	The Vanguard Group, Inc.	BUY	143.47	Ordinary	111	111
16-Jan-2020	The Vanguard Group, Inc.	SELL	142.18	Ordinary	(4,684)	(4,684)
17-Jan-2020	The Vanguard Group, Inc.	BUY	144.68	Ordinary	2,568	2,568
17-Jan-2020	The Vanguard Group, Inc.	BUY	144.68	Ordinary	2,889	2,889
17-Jan-2020	The Vanguard Group, Inc.	BUY	144.68	Ordinary	86	86
17-Jan-2020	The Vanguard Group, Inc.	BUY	144.14	Ordinary	459	459
20-Jan-2020	The Vanguard Group, Inc.	BUY	144.98	Ordinary	202	202
21-Jan-2020	The Vanguard Group, Inc.	BUY	144.28	Ordinary	894	894
21-Jan-2020	The Vanguard Group, Inc.	BUY	144.28	Ordinary	1,788	1,788
21-Jan-2020	The Vanguard Group, Inc.	BUY	144.28	Ordinary	3,135	3,135
21-Jan-2020	The Vanguard Group, Inc.	BUY	144.28	Ordinary	258	258
22-Jan-2020	The Vanguard Group, Inc.	BUY	144.33	Ordinary	7,462	7,462
22-Jan-2020	The Vanguard Group, Inc.	BUY	145.28	Ordinary	1,926	1,926
22-Jan-2020	The Vanguard Group, Inc.	BUY	145.86	Ordinary	620	620
23-Jan-2020	The Vanguard Group, Inc.	BUY	145.67	Ordinary	540	540
23-Jan-2020	The Vanguard Group, Inc.	BUY	145.97	Ordinary	14,829	14,829
23-Jan-2020	The Vanguard Group, Inc.	BUY	145.67	Ordinary	1,605	1,605
23-Jan-2020	The Vanguard Group, Inc.	BUY	145.67	Ordinary	597	597
23-Jan-2020	The Vanguard Group, Inc.	BUY	145.00	Ordinary	111	111
23-Jan-2020	The Vanguard Group, Inc.	BUY	145.00	Ordinary	222	222
28-Jan-2020	The Vanguard Group, Inc.	BUY	142.90	Ordinary	6,027	6,027
28-Jan-2020	The Vanguard Group, Inc.	SELL	142.90	Ordinary	(188)	(188)
28-Jan-2020	The Vanguard Group, Inc.	SELL	142.90	Ordinary	(719)	(719)
28-Jan-2020	The Vanguard Group, Inc.	BUY	143.01	Ordinary	168	168

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
29-Jan-2020	The Vanguard Group, Inc.	BUY	144.60	Ordinary	222	222
30-Jan-2020	The Vanguard Group, Inc.	BUY	146.82	Ordinary	199	199
30-Jan-2020	The Vanguard Group, Inc.	BUY	145.72	Ordinary	111	111
30-Jan-2020	The Vanguard Group, Inc.	BUY	145.72	Ordinary	111	111
31-Jan-2020	The Vanguard Group, Inc.	BUY	145.75	Ordinary	6,923	6,923
31-Jan-2020	The Vanguard Group, Inc.	BUY	142.74	Ordinary	1,950	1,950
31-Jan-2020	The Vanguard Group, Inc.	BUY	142.74	Ordinary	1,950	1,950
31-Jan-2020	The Vanguard Group, Inc.	BUY	142.74	Ordinary	172	172
31-Jan-2020	The Vanguard Group, Inc.	BUY	145.75	Ordinary	91	91
31-Jan-2020	The Vanguard Group, Inc.	BUY	144.77	Ordinary	869	869
31-Jan-2020	The Vanguard Group, Inc.	BUY	144.77	Ordinary	6,251	6,251
3-Feb-2020	The Vanguard Group, Inc.	BUY	141.77	Ordinary	1,890	1,890
3-Feb-2020	The Vanguard Group, Inc.	BUY	141.85	Ordinary	1,860	1,860
4-Feb-2020	The Vanguard Group, Inc.	BUY	142.72	Ordinary	9,668	9,668
4-Feb-2020	The Vanguard Group, Inc.	BUY	143.81	Ordinary	972	972
4-Feb-2020	The Vanguard Group, Inc.	SELL	143.81	Ordinary	(1,352)	(1,352)
4-Feb-2020	The Vanguard Group, Inc.	BUY	143.81	Ordinary	836	836
4-Feb-2020	The Vanguard Group, Inc.	BUY	143.81	Ordinary	3,344	3,344
4-Feb-2020	The Vanguard Group, Inc.	BUY	142.72	Ordinary	284	284
4-Feb-2020	The Vanguard Group, Inc.	BUY	143.04	Ordinary	35	35
4-Feb-2020	The Vanguard Group, Inc.	BUY	143.04	Ordinary	333	333
4-Feb-2020	The Vanguard Group, Inc.	BUY	143.04	Ordinary	701	701
4-Feb-2020	The Vanguard Group, Inc.	BUY	143.04	Ordinary	168	168
5-Feb-2020	The Vanguard Group, Inc.	BUY	145.89	Ordinary	1,350	1,350
5-Feb-2020	The Vanguard Group, Inc.	BUY	145.89	Ordinary	2,275	2,275
5-Feb-2020	The Vanguard Group, Inc.	BUY	145.89	Ordinary	6,175	6,175
6-Feb-2020	The Vanguard Group, Inc.	BUY	145.33	Ordinary	6,815	6,815
6-Feb-2020	The Vanguard Group, Inc.	BUY	146.90	Ordinary	597	597
7-Feb-2020	The Vanguard Group, Inc.	BUY	146.93	Ordinary	440	440
7-Feb-2020	The Vanguard Group, Inc.	BUY	146.96	Ordinary	724	724
10-Feb-2020	The Vanguard Group, Inc.	BUY	147.31	Ordinary	2,970	2,970
10-Feb-2020	The Vanguard Group, Inc.	BUY	147.31	Ordinary	174	174
10-Feb-2020	The Vanguard Group, Inc.	BUY	146.34	Ordinary	222	222
10-Feb-2020	The Vanguard Group, Inc.	BUY	146.34	Ordinary	620	620
11-Feb-2020	The Vanguard Group, Inc.	BUY	145.45	Ordinary	1,980	1,980
11-Feb-2020	The Vanguard Group, Inc.	BUY	145.53	Ordinary	168	168
11-Feb-2020	The Vanguard Group, Inc.	BUY	145.53	Ordinary	168	168
12-Feb-2020	The Vanguard Group, Inc.	BUY	148.09	Ordinary	4,193	4,193
12-Feb-2020	The Vanguard Group, Inc.	BUY	148.26	Ordinary	235	235
12-Feb-2020	The Vanguard Group, Inc.	BUY	148.26	Ordinary	5,589	5,589
13-Feb-2020	The Vanguard Group, Inc.	BUY	149.30	Ordinary	4,290	4,290
13-Feb-2020	The Vanguard Group, Inc.	BUY	149.30	Ordinary	398	398
13-Feb-2020	The Vanguard Group, Inc.	SELL	148.20	Ordinary	(170)	(170)
13-Feb-2020	The Vanguard Group, Inc.	BUY	149.31	Ordinary	111	111
13-Feb-2020	The Vanguard Group, Inc.	BUY	149.31	Ordinary	111	111
13-Feb-2020	The Vanguard Group, Inc.	BUY	149.31	Ordinary	168	168
14-Feb-2020	The Vanguard Group, Inc.	BUY	148.84	Ordinary	5,182	5,182
14-Feb-2020	The Vanguard Group, Inc.	SELL	148.58	Ordinary	(3,990)	(3,990)
14-Feb-2020	The Vanguard Group, Inc.	BUY	148.40	Ordinary	1,980	1,980
14-Feb-2020	The Vanguard Group, Inc.	BUY	148.40	Ordinary	261	261
18-Feb-2020	The Vanguard Group, Inc.	BUY	149.14	Ordinary	966	966
19-Feb-2020	The Vanguard Group, Inc.	BUY	149.08	Ordinary	5,532	5,532
19-Feb-2020	The Vanguard Group, Inc.	BUY	150.78	Ordinary	4,638	4,638
19-Feb-2020	The Vanguard Group, Inc.	BUY	151.19	Ordinary	1,650	1,650
20-Feb-2020	The Vanguard Group, Inc.	BUY	151.46	Ordinary	8,289	8,289
20-Feb-2020	The Vanguard Group, Inc.	BUY	151.77	Ordinary	4,354	4,354
21-Feb-2020	The Vanguard Group, Inc.	BUY	151.26	Ordinary	8,394	8,394
21-Feb-2020	The Vanguard Group, Inc.	BUY	150.72	Ordinary	2,640	2,640
21-Feb-2020	The Vanguard Group, Inc.	BUY	151.34	Ordinary	603	603
21-Feb-2020	The Vanguard Group, Inc.	BUY	151.34	Ordinary	435	435
24-Feb-2020	The Vanguard Group, Inc.	BUY	148.85	Ordinary	4,936	4,936
24-Feb-2020	The Vanguard Group, Inc.	BUY	143.45	Ordinary	174	174
24-Feb-2020	The Vanguard Group, Inc.	SELL	143.45	Ordinary	(1,525)	(1,525)
25-Feb-2020	The Vanguard Group, Inc.	BUY	141.61	Ordinary	7,664	7,664
25-Feb-2020	The Vanguard Group, Inc.	BUY	144.75	Ordinary	7,357	7,357
25-Feb-2020	The Vanguard Group, Inc.	SELL	140.86	Ordinary	(915)	(915)
25-Feb-2020	The Vanguard Group, Inc.	BUY	140.86	Ordinary	1,980	1,980
25-Feb-2020	The Vanguard Group, Inc.	BUY	140.86	Ordinary	199	199

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
25-Feb-2020	The Vanguard Group, Inc.	SELL	141.61	Ordinary	(1,114)	(1,114)
25-Feb-2020	The Vanguard Group, Inc.	SELL	140.86	Ordinary	(610)	(610)
25-Feb-2020	The Vanguard Group, Inc.	BUY	144.75	Ordinary	25	25
25-Feb-2020	The Vanguard Group, Inc.	BUY	141.61	Ordinary	178	178
25-Feb-2020	The Vanguard Group, Inc.	SELL	144.75	Ordinary	(6,731)	(6,731)
26-Feb-2020	The Vanguard Group, Inc.	BUY	141.29	Ordinary	4,216	4,216
26-Feb-2020	The Vanguard Group, Inc.	BUY	142.51	Ordinary	9,278	9,278
26-Feb-2020	The Vanguard Group, Inc.	BUY	140.29	Ordinary	398	398
26-Feb-2020	The Vanguard Group, Inc.	BUY	140.29	Ordinary	597	597
26-Feb-2020	The Vanguard Group, Inc.	BUY	141.29	Ordinary	819	819
26-Feb-2020	The Vanguard Group, Inc.	BUY	142.51	Ordinary	4,137	4,137
26-Feb-2020	The Vanguard Group, Inc.	BUY	141.29	Ordinary	681	681
27-Feb-2020	The Vanguard Group, Inc.	BUY	140.03	Ordinary	5,703	5,703
27-Feb-2020	The Vanguard Group, Inc.	BUY	135.81	Ordinary	1,045	1,045
27-Feb-2020	The Vanguard Group, Inc.	SELL	140.03	Ordinary	(211)	(211)
28-Feb-2020	The Vanguard Group, Inc.	BUY	134.80	Ordinary	8,287	8,287
28-Feb-2020	The Vanguard Group, Inc.	BUY	134.80	Ordinary	6,888	6,888
28-Feb-2020	The Vanguard Group, Inc.	BUY	134.83	Ordinary	12,620	12,620
28-Feb-2020	The Vanguard Group, Inc.	BUY	134.77	Ordinary	2,475	2,475
28-Feb-2020	The Vanguard Group, Inc.	BUY	134.80	Ordinary	5,171	5,171
28-Feb-2020	The Vanguard Group, Inc.	BUY	134.77	Ordinary	871	871
28-Feb-2020	The Vanguard Group, Inc.	BUY	134.77	Ordinary	25,536	25,536
2-Mar-2020	The Vanguard Group, Inc.	SELL	138.08	Ordinary	(2,640)	(2,640)
2-Mar-2020	The Vanguard Group, Inc.	SELL	132.85	Ordinary	(233)	(233)
2-Mar-2020	The Vanguard Group, Inc.	BUY	132.85	Ordinary	2,840	2,840
3-Mar-2020	The Vanguard Group, Inc.	BUY	132.94	Ordinary	174	174
3-Mar-2020	The Vanguard Group, Inc.	BUY	135.96	Ordinary	117	117
4-Mar-2020	The Vanguard Group, Inc.	BUY	136.12	Ordinary	261	261
4-Mar-2020	The Vanguard Group, Inc.	BUY	136.12	Ordinary	348	348
4-Mar-2020	The Vanguard Group, Inc.	BUY	134.90	Ordinary	4,456	4,456
4-Mar-2020	The Vanguard Group, Inc.	BUY	132.94	Ordinary	139	139
4-Mar-2020	The Vanguard Group, Inc.	BUY	132.94	Ordinary	234	234
4-Mar-2020	The Vanguard Group, Inc.	BUY	132.94	Ordinary	117	117
4-Mar-2020	The Vanguard Group, Inc.	BUY	132.94	Ordinary	117	117
5-Mar-2020	The Vanguard Group, Inc.	BUY	136.00	Ordinary	4,394	4,394
5-Mar-2020	The Vanguard Group, Inc.	SELL	137.53	Ordinary	(39,104)	(39,104)
6-Mar-2020	The Vanguard Group, Inc.	SELL	131.57	Ordinary	(1,980)	(1,980)
6-Mar-2020	The Vanguard Group, Inc.	BUY	131.93	Ordinary	168	168
6-Mar-2020	The Vanguard Group, Inc.	SELL	131.93	Ordinary	(29,719)	(29,719)
9-Mar-2020	The Vanguard Group, Inc.	BUY	118.80	Ordinary	87	87
9-Mar-2020	The Vanguard Group, Inc.	BUY	118.80	Ordinary	261	261
9-Mar-2020	The Vanguard Group, Inc.	SELL	121.50	Ordinary	(7,376)	(7,376)
10-Mar-2020	The Vanguard Group, Inc.	BUY	117.44	Ordinary	26,014	26,014
10-Mar-2020	The Vanguard Group, Inc.	BUY	128.65	Ordinary	764	764
10-Mar-2020	The Vanguard Group, Inc.	SELL	128.65	Ordinary	(1,650)	(1,650)
10-Mar-2020	The Vanguard Group, Inc.	SELL	115.83	Ordinary	(313)	(313)
10-Mar-2020	The Vanguard Group, Inc.	BUY	126.55	Ordinary	117	117
10-Mar-2020	The Vanguard Group, Inc.	SELL	126.55	Ordinary	(2,228)	(2,228)
10-Mar-2020	The Vanguard Group, Inc.	BUY	126.55	Ordinary	635	635
11-Mar-2020	The Vanguard Group, Inc.	BUY	126.44	Ordinary	15,242	15,242
11-Mar-2020	The Vanguard Group, Inc.	SELL	119.19	Ordinary	(990)	(990)
11-Mar-2020	The Vanguard Group, Inc.	SELL	127.85	Ordinary	(635)	(635)
11-Mar-2020	The Vanguard Group, Inc.	BUY	120.90	Ordinary	323	323
12-Mar-2020	The Vanguard Group, Inc.	BUY	119.69	Ordinary	11,017	11,017
12-Mar-2020	The Vanguard Group, Inc.	BUY	106.16	Ordinary	3,000	3,000
12-Mar-2020	The Vanguard Group, Inc.	SELL	106.16	Ordinary	(3,630)	(3,630)
12-Mar-2020	The Vanguard Group, Inc.	BUY	111.78	Ordinary	117	117
12-Mar-2020	The Vanguard Group, Inc.	BUY	111.78	Ordinary	234	234
12-Mar-2020	The Vanguard Group, Inc.	BUY	111.78	Ordinary	1,105	1,105
13-Mar-2020	The Vanguard Group, Inc.	BUY	116.48	Ordinary	22,834	22,834
13-Mar-2020	The Vanguard Group, Inc.	BUY	103.23	Ordinary	20,184	20,184
13-Mar-2020	The Vanguard Group, Inc.	BUY	121.51	Ordinary	1,330	1,330
13-Mar-2020	The Vanguard Group, Inc.	BUY	121.51	Ordinary	87	87
13-Mar-2020	The Vanguard Group, Inc.	BUY	121.51	Ordinary	435	435
13-Mar-2020	The Vanguard Group, Inc.	BUY	116.48	Ordinary	9,744	9,744
13-Mar-2020	The Vanguard Group, Inc.	BUY	116.48	Ordinary	168	168
13-Mar-2020	The Vanguard Group, Inc.	BUY	116.48	Ordinary	93	93
13-Mar-2020	The Vanguard Group, Inc.	BUY	116.48	Ordinary	373	373

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16-Mar-2020	The Vanguard Group, Inc.	BUY	98.66	Ordinary	199	199
16-Mar-2020	The Vanguard Group, Inc.	BUY	98.66	Ordinary	398	398
16-Mar-2020	The Vanguard Group, Inc.	SELL	98.66	Ordinary	(836)	(836)
16-Mar-2020	The Vanguard Group, Inc.	SELL	98.66	Ordinary	(897)	(897)
16-Mar-2020	The Vanguard Group, Inc.	BUY	102.50	Ordinary	212	212
16-Mar-2020	The Vanguard Group, Inc.	BUY	102.50	Ordinary	598	598
16-Mar-2020	The Vanguard Group, Inc.	BUY	102.50	Ordinary	92	92
16-Mar-2020	The Vanguard Group, Inc.	BUY	105.18	Ordinary	234	234
16-Mar-2020	The Vanguard Group, Inc.	BUY	102.50	Ordinary	117	117
16-Mar-2020	The Vanguard Group, Inc.	BUY	102.50	Ordinary	625	625
17-Mar-2020	The Vanguard Group, Inc.	BUY	98.29	Ordinary	25,143	25,143
17-Mar-2020	The Vanguard Group, Inc.	BUY	107.22	Ordinary	550	550
17-Mar-2020	The Vanguard Group, Inc.	BUY	107.22	Ordinary	495	495
17-Mar-2020	The Vanguard Group, Inc.	BUY	107.22	Ordinary	3,819	3,819
17-Mar-2020	The Vanguard Group, Inc.	BUY	107.22	Ordinary	398	398
17-Mar-2020	The Vanguard Group, Inc.	BUY	107.22	Ordinary	597	597
17-Mar-2020	The Vanguard Group, Inc.	SELL	107.22	Ordinary	(3,300)	(3,300)
17-Mar-2020	The Vanguard Group, Inc.	SELL	107.22	Ordinary	(2,640)	(2,640)
17-Mar-2020	The Vanguard Group, Inc.	SELL	107.22	Ordinary	(1,196)	(1,196)
17-Mar-2020	The Vanguard Group, Inc.	SELL	104.49	Ordinary	(229)	(229)
17-Mar-2020	The Vanguard Group, Inc.	BUY	104.49	Ordinary	112	112
17-Mar-2020	The Vanguard Group, Inc.	BUY	104.49	Ordinary	8,904	8,904
18-Mar-2020	The Vanguard Group, Inc.	BUY	99.54	Ordinary	30,665	30,665
18-Mar-2020	The Vanguard Group, Inc.	BUY	94.16	Ordinary	348	348
18-Mar-2020	The Vanguard Group, Inc.	BUY	91.05	Ordinary	117	117
18-Mar-2020	The Vanguard Group, Inc.	BUY	91.05	Ordinary	234	234
19-Mar-2020	The Vanguard Group, Inc.	BUY	91.15	Ordinary	19,592	19,592
19-Mar-2020	The Vanguard Group, Inc.	BUY	80.19	Ordinary	1,045	1,045
19-Mar-2020	The Vanguard Group, Inc.	BUY	80.19	Ordinary	174	174
19-Mar-2020	The Vanguard Group, Inc.	BUY	91.15	Ordinary	48	48
19-Mar-2020	The Vanguard Group, Inc.	SELL	79.30	Ordinary	(85)	(85)
19-Mar-2020	The Vanguard Group, Inc.	BUY	79.30	Ordinary	344	344
20-Mar-2020	The Vanguard Group, Inc.	BUY	85.10	Ordinary	44,253	44,253
20-Mar-2020	The Vanguard Group, Inc.	SELL	86.46	Ordinary	(11,217)	(11,217)
20-Mar-2020	The Vanguard Group, Inc.	SELL	86.46	Ordinary	(4,742)	(4,742)
20-Mar-2020	The Vanguard Group, Inc.	BUY	83.03	Ordinary	804	804
20-Mar-2020	The Vanguard Group, Inc.	BUY	83.03	Ordinary	174	174
20-Mar-2020	The Vanguard Group, Inc.	BUY	83.03	Ordinary	597	597
20-Mar-2020	The Vanguard Group, Inc.	SELL	86.46	Ordinary	(3,735)	(3,735)
20-Mar-2020	The Vanguard Group, Inc.	SELL	83.03	Ordinary	(1,495)	(1,495)
20-Mar-2020	The Vanguard Group, Inc.	SELL	86.46	Ordinary	(427)	(427)
20-Mar-2020	The Vanguard Group, Inc.	SELL	86.46	Ordinary	(532)	(532)
20-Mar-2020	The Vanguard Group, Inc.	BUY	85.06	Ordinary	32	32
20-Mar-2020	The Vanguard Group, Inc.	BUY	85.06	Ordinary	117	117
20-Mar-2020	The Vanguard Group, Inc.	SELL	86.46	Ordinary	(255)	(255)
23-Mar-2020	The Vanguard Group, Inc.	BUY	72.83	Ordinary	1,665	1,665
23-Mar-2020	The Vanguard Group, Inc.	SELL	72.83	Ordinary	(1,196)	(1,196)
23-Mar-2020	The Vanguard Group, Inc.	SELL	79.00	Ordinary	(653)	(653)
23-Mar-2020	The Vanguard Group, Inc.	SELL	79.00	Ordinary	(263)	(263)
23-Mar-2020	The Vanguard Group, Inc.	BUY	72.02	Ordinary	117	117
23-Mar-2020	The Vanguard Group, Inc.	BUY	72.02	Ordinary	624	624
24-Mar-2020	The Vanguard Group, Inc.	BUY	74.38	Ordinary	25,229	25,229
24-Mar-2020	The Vanguard Group, Inc.	SELL	74.48	Ordinary	(1,989)	(1,989)
24-Mar-2020	The Vanguard Group, Inc.	BUY	74.38	Ordinary	329	329
24-Mar-2020	The Vanguard Group, Inc.	BUY	79.90	Ordinary	117	117
25-Mar-2020	The Vanguard Group, Inc.	BUY	86.91	Ordinary	16,283	16,283
25-Mar-2020	The Vanguard Group, Inc.	BUY	86.91	Ordinary	10,301	10,301
25-Mar-2020	The Vanguard Group, Inc.	SELL	84.93	Ordinary	(836)	(836)
26-Mar-2020	The Vanguard Group, Inc.	BUY	86.00	Ordinary	5,455	5,455
26-Mar-2020	The Vanguard Group, Inc.	SELL	89.22	Ordinary	(897)	(897)
27-Mar-2020	The Vanguard Group, Inc.	BUY	80.01	Ordinary	3,734	3,734
27-Mar-2020	The Vanguard Group, Inc.	BUY	80.01	Ordinary	234	234
27-Mar-2020	The Vanguard Group, Inc.	BUY	80.01	Ordinary	234	234
27-Mar-2020	The Vanguard Group, Inc.	BUY	80.01	Ordinary	109	109
27-Mar-2020	The Vanguard Group, Inc.	BUY	80.01	Ordinary	12,391	12,391
30-Mar-2020	The Vanguard Group, Inc.	BUY	80.07	Ordinary	3,327	3,327
30-Mar-2020	The Vanguard Group, Inc.	SELL	87.69	Ordinary	(1,393)	(1,393)
30-Mar-2020	The Vanguard Group, Inc.	BUY	85.65	Ordinary	2,329	2,329

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30-Mar-2020	The Vanguard Group, Inc.	BUY	85.65	Ordinary	617	617
31-Mar-2020	The Vanguard Group, Inc.	SELL	85.75	Ordinary	(4,011)	(4,011)
31-Mar-2020	The Vanguard Group, Inc.	BUY	91.40	Ordinary	5,963	5,963
31-Mar-2020	The Vanguard Group, Inc.	BUY	85.75	Ordinary	117	117
31-Mar-2020	The Vanguard Group, Inc.	BUY	85.75	Ordinary	4,044	4,044
1-Apr-2020	The Vanguard Group, Inc.	BUY	88.90	Ordinary	2,472	2,472
1-Apr-2020	The Vanguard Group, Inc.	SELL	86.20	Ordinary	(398)	(398)
1-Apr-2020	The Vanguard Group, Inc.	SELL	86.20	Ordinary	(398)	(398)
1-Apr-2020	The Vanguard Group, Inc.	BUY	88.90	Ordinary	806	806
1-Apr-2020	The Vanguard Group, Inc.	BUY	89.34	Ordinary	641	641
1-Apr-2020	The Vanguard Group, Inc.	BUY	89.34	Ordinary	1,234	1,234
2-Apr-2020	The Vanguard Group, Inc.	BUY	90.79	Ordinary	550	550
2-Apr-2020	The Vanguard Group, Inc.	BUY	90.79	Ordinary	261	261
3-Apr-2020	The Vanguard Group, Inc.	SELL	89.00	Ordinary	(469)	(469)
6-Apr-2020	The Vanguard Group, Inc.	BUY	92.00	Ordinary	117	117
7-Apr-2020	The Vanguard Group, Inc.	BUY	92.45	Ordinary	117	117
7-Apr-2020	The Vanguard Group, Inc.	BUY	92.45	Ordinary	1,851	1,851
7-Apr-2020	The Vanguard Group, Inc.	SELL	92.45	Ordinary	(163)	(163)
8-Apr-2020	The Vanguard Group, Inc.	BUY	94.13	Ordinary	715	715
8-Apr-2020	The Vanguard Group, Inc.	BUY	89.70	Ordinary	2,636	2,636
9-Apr-2020	The Vanguard Group, Inc.	SELL	99.50	Ordinary	(7,006)	(7,006)
9-Apr-2020	The Vanguard Group, Inc.	BUY	101.15	Ordinary	261	261
9-Apr-2020	The Vanguard Group, Inc.	BUY	101.15	Ordinary	87	87
9-Apr-2020	The Vanguard Group, Inc.	BUY	99.50	Ordinary	436	436
14-Apr-2020	The Vanguard Group, Inc.	SELL	101.81	Ordinary	(797)	(797)
14-Apr-2020	The Vanguard Group, Inc.	BUY	103.61	Ordinary	261	261
14-Apr-2020	The Vanguard Group, Inc.	SELL	101.81	Ordinary	(361)	(361)
15-Apr-2020	The Vanguard Group, Inc.	BUY	102.86	Ordinary	1,577	1,577
15-Apr-2020	The Vanguard Group, Inc.	BUY	99.98	Ordinary	261	261
15-Apr-2020	The Vanguard Group, Inc.	SELL	99.98	Ordinary	(3,123)	(3,123)
15-Apr-2020	The Vanguard Group, Inc.	SELL	99.98	Ordinary	(2,776)	(2,776)
15-Apr-2020	The Vanguard Group, Inc.	SELL	99.98	Ordinary	(1,388)	(1,388)
15-Apr-2020	The Vanguard Group, Inc.	SELL	102.86	Ordinary	(126)	(126)
15-Apr-2020	The Vanguard Group, Inc.	BUY	100.96	Ordinary	164	164
16-Apr-2020	The Vanguard Group, Inc.	BUY	98.32	Ordinary	313	313
16-Apr-2020	The Vanguard Group, Inc.	BUY	99.00	Ordinary	617	617
17-Apr-2020	The Vanguard Group, Inc.	BUY	100.86	Ordinary	385	385
17-Apr-2020	The Vanguard Group, Inc.	BUY	100.86	Ordinary	1,045	1,045
17-Apr-2020	The Vanguard Group, Inc.	BUY	101.80	Ordinary	266	266
20-Apr-2020	The Vanguard Group, Inc.	BUY	98.75	Ordinary	770	770
20-Apr-2020	The Vanguard Group, Inc.	BUY	98.75	Ordinary	440	440
20-Apr-2020	The Vanguard Group, Inc.	SELL	100.17	Ordinary	(33)	(33)
21-Apr-2020	The Vanguard Group, Inc.	BUY	99.88	Ordinary	1,991	1,991
21-Apr-2020	The Vanguard Group, Inc.	BUY	98.40	Ordinary	398	398
22-Apr-2020	The Vanguard Group, Inc.	BUY	97.48	Ordinary	1,782	1,782
22-Apr-2020	The Vanguard Group, Inc.	BUY	97.48	Ordinary	3,640	3,640
27-Apr-2020	The Vanguard Group, Inc.	SELL	99.41	Ordinary	(966)	(966)
28-Apr-2020	The Vanguard Group, Inc.	BUY	97.47	Ordinary	550	550
29-Apr-2020	The Vanguard Group, Inc.	BUY	98.36	Ordinary	3,176	3,176
30-Apr-2020	The Vanguard Group, Inc.	SELL	101.65	Ordinary	(690)	(690)
30-Apr-2020	The Vanguard Group, Inc.	SELL	102.66	Ordinary	(2,290)	(2,290)
30-Apr-2020	The Vanguard Group, Inc.	BUY	102.94	Ordinary	2,820	2,820
30-Apr-2020	The Vanguard Group, Inc.	SELL	101.65	Ordinary	(3,123)	(3,123)
1-May-2020	The Vanguard Group, Inc.	SELL	96.09	Ordinary	(690)	(690)
1-May-2020	The Vanguard Group, Inc.	SELL	96.09	Ordinary	(4,164)	(4,164)
1-May-2020	The Vanguard Group, Inc.	SELL	96.09	Ordinary	(1,200)	(1,200)
4-May-2020	The Vanguard Group, Inc.	BUY	96.00	Ordinary	652	652
6-May-2020	The Vanguard Group, Inc.	BUY	99.45	Ordinary	1,338	1,338
7-May-2020	The Vanguard Group, Inc.	SELL	98.90	Ordinary	(618)	(618)
7-May-2020	The Vanguard Group, Inc.	SELL	98.90	Ordinary	(124)	(124)
7-May-2020	The Vanguard Group, Inc.	BUY	99.55	Ordinary	125	125
8-May-2020	The Vanguard Group, Inc.	SELL	105.54	Ordinary	(2,100)	(2,100)
11-May-2020	The Vanguard Group, Inc.	SELL	111.54	Ordinary	(4,835)	(4,835)
12-May-2020	The Vanguard Group, Inc.	BUY	109.30	Ordinary	2,319	2,319
12-May-2020	The Vanguard Group, Inc.	BUY	107.01	Ordinary	125	125
13-May-2020	The Vanguard Group, Inc.	BUY	106.39	Ordinary	615	615
13-May-2020	The Vanguard Group, Inc.	SELL	106.39	Ordinary	(871)	(871)
14-May-2020	The Vanguard Group, Inc.	SELL	103.20	Ordinary	(1,169)	(1,169)

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-May-2020	The Vanguard Group, Inc.	BUY	105.21	Ordinary	1,094	1,094
15-May-2020	The Vanguard Group, Inc.	BUY	105.21	Ordinary	2,904	2,904
15-May-2020	The Vanguard Group, Inc.	SELL	105.21	Ordinary	(482)	(482)
15-May-2020	The Vanguard Group, Inc.	BUY	105.08	Ordinary	615	615
18-May-2020	The Vanguard Group, Inc.	SELL	102.28	Ordinary	(2,747)	(2,747)
20-May-2020	The Vanguard Group, Inc.	SELL	103.88	Ordinary	(555)	(555)
21-May-2020	The Vanguard Group, Inc.	BUY	103.96	Ordinary	616	616
22-May-2020	The Vanguard Group, Inc.	BUY	103.67	Ordinary	261	261
22-May-2020	The Vanguard Group, Inc.	SELL	104.00	Ordinary	(1,000)	(1,000)
22-May-2020	The Vanguard Group, Inc.	BUY	102.62	Ordinary	1,762	1,762
22-May-2020	The Vanguard Group, Inc.	SELL	104.00	Ordinary	(336)	(336)
27-May-2020	The Vanguard Group, Inc.	BUY	111.25	Ordinary	174	174
27-May-2020	The Vanguard Group, Inc.	BUY	110.95	Ordinary	230	230
28-May-2020	The Vanguard Group, Inc.	BUY	112.23	Ordinary	3,600	3,600
29-May-2020	The Vanguard Group, Inc.	SELL	110.34	Ordinary	(1,794)	(1,794)
29-May-2020	The Vanguard Group, Inc.	SELL	109.97	Ordinary	(1,059)	(1,059)
29-May-2020	The Vanguard Group, Inc.	SELL	110.34	Ordinary	(1,254)	(1,254)
29-May-2020	The Vanguard Group, Inc.	BUY	109.97	Ordinary	492	492
29-May-2020	The Vanguard Group, Inc.	BUY	110.07	Ordinary	2,706	2,706
1-Jun-2020	The Vanguard Group, Inc.	BUY	111.96	Ordinary	1,500	1,500
2-Jun-2020	The Vanguard Group, Inc.	BUY	111.80	Ordinary	1,370	1,370
2-Jun-2020	The Vanguard Group, Inc.	BUY	114.89	Ordinary	4,500	4,500
2-Jun-2020	The Vanguard Group, Inc.	BUY	113.31	Ordinary	7,274	7,274
3-Jun-2020	The Vanguard Group, Inc.	BUY	117.22	Ordinary	261	261
3-Jun-2020	The Vanguard Group, Inc.	BUY	116.10	Ordinary	125	125
4-Jun-2020	The Vanguard Group, Inc.	SELL	118.01	Ordinary	(9,839)	(9,839)
4-Jun-2020	The Vanguard Group, Inc.	BUY	117.49	Ordinary	1,500	1,500
5-Jun-2020	The Vanguard Group, Inc.	SELL	117.53	Ordinary	(11,292)	(11,292)
5-Jun-2020	The Vanguard Group, Inc.	BUY	118.91	Ordinary	174	174
5-Jun-2020	The Vanguard Group, Inc.	BUY	117.50	Ordinary	252	252
5-Jun-2020	The Vanguard Group, Inc.	BUY	118.00	Ordinary	546	546
9-Jun-2020	The Vanguard Group, Inc.	SELL	121.09	Ordinary	(22,536)	(22,536)
9-Jun-2020	The Vanguard Group, Inc.	BUY	123.67	Ordinary	174	174
9-Jun-2020	The Vanguard Group, Inc.	SELL	123.67	Ordinary	(1,254)	(1,254)
9-Jun-2020	The Vanguard Group, Inc.	SELL	121.04	Ordinary	(3,530)	(3,530)
9-Jun-2020	The Vanguard Group, Inc.	SELL	121.09	Ordinary	(119)	(119)
9-Jun-2020	The Vanguard Group, Inc.	BUY	124.40	Ordinary	165	165
9-Jun-2020	The Vanguard Group, Inc.	BUY	124.40	Ordinary	617	617
10-Jun-2020	The Vanguard Group, Inc.	SELL	121.82	Ordinary	(14,839)	(14,839)
10-Jun-2020	The Vanguard Group, Inc.	SELL	124.00	Ordinary	(10,202)	(10,202)
11-Jun-2020	The Vanguard Group, Inc.	SELL	121.18	Ordinary	(5,962)	(5,962)
11-Jun-2020	The Vanguard Group, Inc.	SELL	118.45	Ordinary	(9,689)	(9,689)
11-Jun-2020	The Vanguard Group, Inc.	BUY	113.56	Ordinary	1,500	1,500
11-Jun-2020	The Vanguard Group, Inc.	SELL	113.56	Ordinary	(3,530)	(3,530)
11-Jun-2020	The Vanguard Group, Inc.	SELL	113.56	Ordinary	(2,118)	(2,118)
11-Jun-2020	The Vanguard Group, Inc.	SELL	113.56	Ordinary	(1,412)	(1,412)
15-Jun-2020	The Vanguard Group, Inc.	SELL	118.00	Ordinary	(2,118)	(2,118)
17-Jun-2020	The Vanguard Group, Inc.	BUY	121.00	Ordinary	5,017	5,017
19-Jun-2020	The Vanguard Group, Inc.	SELL	121.53	Ordinary	(28,607)	(28,607)
19-Jun-2020	The Vanguard Group, Inc.	SELL	120.07	Ordinary	(828)	(828)
19-Jun-2020	The Vanguard Group, Inc.	BUY	120.07	Ordinary	174	174
19-Jun-2020	The Vanguard Group, Inc.	SELL	121.53	Ordinary	(6,008)	(6,008)
19-Jun-2020	The Vanguard Group, Inc.	SELL	120.07	Ordinary	(1,463)	(1,463)
19-Jun-2020	The Vanguard Group, Inc.	SELL	121.53	Ordinary	(1,137)	(1,137)
19-Jun-2020	The Vanguard Group, Inc.	SELL	121.53	Ordinary	(2,276)	(2,276)
19-Jun-2020	The Vanguard Group, Inc.	BUY	121.58	Ordinary	9	9
19-Jun-2020	The Vanguard Group, Inc.	SELL	121.53	Ordinary	(187)	(187)
19-Jun-2020	The Vanguard Group, Inc.	SELL	121.53	Ordinary	(200)	(200)
22-Jun-2020	The Vanguard Group, Inc.	BUY	120.61	Ordinary	266	266
22-Jun-2020	The Vanguard Group, Inc.	SELL	119.64	Ordinary	(447)	(447)
23-Jun-2020	The Vanguard Group, Inc.	SELL	121.35	Ordinary	(1,530)	(1,530)
23-Jun-2020	The Vanguard Group, Inc.	BUY	121.57	Ordinary	168	168
24-Jun-2020	The Vanguard Group, Inc.	SELL	118.23	Ordinary	(638)	(638)
24-Jun-2020	The Vanguard Group, Inc.	SELL	118.23	Ordinary	(2,090)	(2,090)
24-Jun-2020	The Vanguard Group, Inc.	SELL	118.23	Ordinary	(627)	(627)
24-Jun-2020	The Vanguard Group, Inc.	SELL	118.23	Ordinary	(2,118)	(2,118)
24-Jun-2020	The Vanguard Group, Inc.	BUY	121.59	Ordinary	163	163
25-Jun-2020	The Vanguard Group, Inc.	SELL	119.00	Ordinary	(6,931)	(6,931)

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29-Jun-2020	The Vanguard Group, Inc.	BUY	117.84	Ordinary	261	261
29-Jun-2020	The Vanguard Group, Inc.	BUY	116.43	Ordinary	326	326
30-Jun-2020	The Vanguard Group, Inc.	SELL	120.26	Ordinary	(1,765)	(1,765)
30-Jun-2020	The Vanguard Group, Inc.	SELL	118.60	Ordinary	(13)	(13)
30-Jun-2020	The Vanguard Group, Inc.	BUY	118.60	Ordinary	7,831	7,831
1-Jul-2020	The Vanguard Group, Inc.	BUY	120.74	Ordinary	163	163
2-Jul-2020	The Vanguard Group, Inc.	BUY	120.52	Ordinary	1,064	1,064
2-Jul-2020	The Vanguard Group, Inc.	BUY	121.96	Ordinary	133	133
3-Jul-2020	The Vanguard Group, Inc.	BUY	122.75	Ordinary	31	31
6-Jul-2020	The Vanguard Group, Inc.	BUY	124.07	Ordinary	580	580
6-Jul-2020	The Vanguard Group, Inc.	BUY	124.07	Ordinary	522	522
6-Jul-2020	The Vanguard Group, Inc.	BUY	123.82	Ordinary	266	266
7-Jul-2020	The Vanguard Group, Inc.	SELL	124.39	Ordinary	(8,383)	(8,383)
7-Jul-2020	The Vanguard Group, Inc.	BUY	122.80	Ordinary	119	119
8-Jul-2020	The Vanguard Group, Inc.	SELL	121.50	Ordinary	(104)	(104)
8-Jul-2020	The Vanguard Group, Inc.	BUY	121.50	Ordinary	605	605
8-Jul-2020	The Vanguard Group, Inc.	BUY	121.63	Ordinary	133	133
9-Jul-2020	The Vanguard Group, Inc.	SELL	122.33	Ordinary	(4,718)	(4,718)
9-Jul-2020	The Vanguard Group, Inc.	BUY	121.04	Ordinary	388	388
9-Jul-2020	The Vanguard Group, Inc.	BUY	122.50	Ordinary	744	744
10-Jul-2020	The Vanguard Group, Inc.	BUY	119.80	Ordinary	114	114
14-Jul-2020	The Vanguard Group, Inc.	BUY	120.51	Ordinary	584	584
14-Jul-2020	The Vanguard Group, Inc.	SELL	121.50	Ordinary	(3,512)	(3,512)
14-Jul-2020	The Vanguard Group, Inc.	SELL	121.50	Ordinary	(15,580)	(15,580)
15-Jul-2020	The Vanguard Group, Inc.	SELL	122.39	Ordinary	(8,002)	(8,002)
15-Jul-2020	The Vanguard Group, Inc.	BUY	122.00	Ordinary	472	472
15-Jul-2020	The Vanguard Group, Inc.	SELL	123.69	Ordinary	(3,600)	(3,600)
15-Jul-2020	The Vanguard Group, Inc.	SELL	123.69	Ordinary	(1,200)	(1,200)
16-Jul-2020	The Vanguard Group, Inc.	SELL	124.89	Ordinary	(7,630)	(7,630)
16-Jul-2020	The Vanguard Group, Inc.	BUY	124.89	Ordinary	3,290	3,290
16-Jul-2020	The Vanguard Group, Inc.	BUY	124.89	Ordinary	2,605	2,605
16-Jul-2020	The Vanguard Group, Inc.	SELL	124.89	Ordinary	(130)	(130)
21-Jul-2020	The Vanguard Group, Inc.	BUY	125.07	Ordinary	1,144	1,144
22-Jul-2020	The Vanguard Group, Inc.	SELL	127.22	Ordinary	(8,700)	(8,700)
23-Jul-2020	The Vanguard Group, Inc.	SELL	126.54	Ordinary	(6,070)	(6,070)
24-Jul-2020	The Vanguard Group, Inc.	SELL	125.53	Ordinary	(4,428)	(4,428)
28-Jul-2020	The Vanguard Group, Inc.	SELL	126.67	Ordinary	(6,067)	(6,067)
29-Jul-2020	The Vanguard Group, Inc.	BUY	124.60	Ordinary	2,953	2,953
30-Jul-2020	The Vanguard Group, Inc.	BUY	126.51	Ordinary	174	174
30-Jul-2020	The Vanguard Group, Inc.	BUY	126.00	Ordinary	328	328
30-Jul-2020	The Vanguard Group, Inc.	BUY	126.00	Ordinary	102	102
31-Jul-2020	The Vanguard Group, Inc.	SELL	124.01	Ordinary	(6,633)	(6,633)
31-Jul-2020	The Vanguard Group, Inc.	BUY	124.01	Ordinary	4,419	4,419
31-Jul-2020	The Vanguard Group, Inc.	BUY	123.49	Ordinary	118	118
31-Jul-2020	The Vanguard Group, Inc.	BUY	123.49	Ordinary	306	306
3-Aug-2020	The Vanguard Group, Inc.	BUY	122.38	Ordinary	508	508
3-Aug-2020	The Vanguard Group, Inc.	BUY	121.99	Ordinary	1,845	1,845
4-Aug-2020	The Vanguard Group, Inc.	BUY	125.93	Ordinary	261	261
4-Aug-2020	The Vanguard Group, Inc.	BUY	123.80	Ordinary	455	455
4-Aug-2020	The Vanguard Group, Inc.	BUY	125.24	Ordinary	116	116
5-Aug-2020	The Vanguard Group, Inc.	SELL	123.60	Ordinary	(197)	(197)
5-Aug-2020	The Vanguard Group, Inc.	BUY	124.44	Ordinary	155	155
6-Aug-2020	The Vanguard Group, Inc.	BUY	125.77	Ordinary	174	174
6-Aug-2020	The Vanguard Group, Inc.	BUY	124.92	Ordinary	47	47
11-Aug-2020	The Vanguard Group, Inc.	BUY	124.22	Ordinary	970	970
11-Aug-2020	The Vanguard Group, Inc.	BUY	126.21	Ordinary	3,609	3,609
12-Aug-2020	The Vanguard Group, Inc.	BUY	126.93	Ordinary	119	119
13-Aug-2020	The Vanguard Group, Inc.	SELL	125.31	Ordinary	(1,125)	(1,125)
13-Aug-2020	The Vanguard Group, Inc.	SELL	125.31	Ordinary	(1,200)	(1,200)
13-Aug-2020	The Vanguard Group, Inc.	BUY	125.76	Ordinary	133	133
13-Aug-2020	The Vanguard Group, Inc.	BUY	125.76	Ordinary	326	326
17-Aug-2020	The Vanguard Group, Inc.	BUY	127.20	Ordinary	3,177	3,177
17-Aug-2020	The Vanguard Group, Inc.	BUY	127.20	Ordinary	4,236	4,236
17-Aug-2020	The Vanguard Group, Inc.	BUY	127.20	Ordinary	1,500	1,500
17-Aug-2020	The Vanguard Group, Inc.	BUY	127.20	Ordinary	174	174
17-Aug-2020	The Vanguard Group, Inc.	BUY	125.38	Ordinary	440	440
18-Aug-2020	The Vanguard Group, Inc.	BUY	127.75	Ordinary	900	900
18-Aug-2020	The Vanguard Group, Inc.	BUY	127.75	Ordinary	12,818	12,818

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18-Aug-2020	The Vanguard Group, Inc.	SELL	127.75	Ordinary	(12,818)	(12,818)
18-Aug-2020	The Vanguard Group, Inc.	BUY	127.62	Ordinary	3,074	3,074
19-Aug-2020	The Vanguard Group, Inc.	BUY	127.10	Ordinary	3,885	3,885
19-Aug-2020	The Vanguard Group, Inc.	SELL	127.10	Ordinary	(162)	(162)
20-Aug-2020	The Vanguard Group, Inc.	BUY	130.56	Ordinary	315	315
20-Aug-2020	The Vanguard Group, Inc.	BUY	130.56	Ordinary	525	525
20-Aug-2020	The Vanguard Group, Inc.	BUY	130.56	Ordinary	174	174
21-Aug-2020	The Vanguard Group, Inc.	BUY	129.90	Ordinary	214	214
21-Aug-2020	The Vanguard Group, Inc.	SELL	129.90	Ordinary	(1,079)	(1,079)
21-Aug-2020	The Vanguard Group, Inc.	SELL	127.43	Ordinary	(707)	(707)
21-Aug-2020	The Vanguard Group, Inc.	BUY	127.43	Ordinary	133	133
25-Aug-2020	The Vanguard Group, Inc.	BUY	129.29	Ordinary	823	823
26-Aug-2020	The Vanguard Group, Inc.	BUY	130.58	Ordinary	194	194
27-Aug-2020	The Vanguard Group, Inc.	BUY	129.01	Ordinary	1,765	1,765
27-Aug-2020	The Vanguard Group, Inc.	BUY	129.01	Ordinary	1,575	1,575
28-Aug-2020	The Vanguard Group, Inc.	BUY	128.24	Ordinary	133	133
31-Aug-2020	The Vanguard Group, Inc.	BUY	127.47	Ordinary	388	388
31-Aug-2020	The Vanguard Group, Inc.	SELL	127.96	Ordinary	(1,226)	(1,226)
1-Sep-2020	The Vanguard Group, Inc.	BUY	126.28	Ordinary	128,170	128,170
1-Sep-2020	The Vanguard Group, Inc.	SELL	126.28	Ordinary	(128,170)	(128,170)
1-Sep-2020	The Vanguard Group, Inc.	SELL	127.18	Ordinary	(3,041)	(3,041)
2-Sep-2020	The Vanguard Group, Inc.	BUY	128.48	Ordinary	750	750
2-Sep-2020	The Vanguard Group, Inc.	BUY	128.48	Ordinary	261	261
2-Sep-2020	The Vanguard Group, Inc.	SELL	125.17	Ordinary	(158)	(158)
2-Sep-2020	The Vanguard Group, Inc.	BUY	127.70	Ordinary	3,696	3,696
3-Sep-2020	The Vanguard Group, Inc.	BUY	126.65	Ordinary	750	750
3-Sep-2020	The Vanguard Group, Inc.	BUY	130.20	Ordinary	125	125
3-Sep-2020	The Vanguard Group, Inc.	BUY	130.20	Ordinary	402	402
4-Sep-2020	The Vanguard Group, Inc.	SELL	126.20	Ordinary	(3,243)	(3,243)
4-Sep-2020	The Vanguard Group, Inc.	BUY	126.17	Ordinary	750	750
4-Sep-2020	The Vanguard Group, Inc.	BUY	127.63	Ordinary	3,870	3,870
4-Sep-2020	The Vanguard Group, Inc.	BUY	127.63	Ordinary	75	75
8-Sep-2020	The Vanguard Group, Inc.	BUY	128.14	Ordinary	2,536	2,536
8-Sep-2020	The Vanguard Group, Inc.	BUY	128.14	Ordinary	98	98
8-Sep-2020	The Vanguard Group, Inc.	BUY	128.14	Ordinary	288	288
9-Sep-2020	The Vanguard Group, Inc.	BUY	126.00	Ordinary	116	116
10-Sep-2020	The Vanguard Group, Inc.	SELL	127.39	Ordinary	(3,277)	(3,277)
10-Sep-2020	The Vanguard Group, Inc.	BUY	127.88	Ordinary	4,309	4,309
10-Sep-2020	The Vanguard Group, Inc.	BUY	127.39	Ordinary	376	376
11-Sep-2020	The Vanguard Group, Inc.	BUY	125.64	Ordinary	1,125	1,125
11-Sep-2020	The Vanguard Group, Inc.	BUY	126.75	Ordinary	39	39
11-Sep-2020	The Vanguard Group, Inc.	BUY	126.10	Ordinary	489	489
14-Sep-2020	The Vanguard Group, Inc.	SELL	120.20	Ordinary	(4,495)	(4,495)
15-Sep-2020	The Vanguard Group, Inc.	SELL	120.39	Ordinary	(23)	(23)
16-Sep-2020	The Vanguard Group, Inc.	BUY	118.86	Ordinary	174	174
16-Sep-2020	The Vanguard Group, Inc.	BUY	118.86	Ordinary	388	388
16-Sep-2020	The Vanguard Group, Inc.	BUY	119.50	Ordinary	18	18
17-Sep-2020	The Vanguard Group, Inc.	BUY	119.63	Ordinary	125	125
17-Sep-2020	The Vanguard Group, Inc.	BUY	119.63	Ordinary	98	98
18-Sep-2020	The Vanguard Group, Inc.	BUY	122.50	Ordinary	1,383	1,383
18-Sep-2020	The Vanguard Group, Inc.	BUY	122.50	Ordinary	32,037	32,037
18-Sep-2020	The Vanguard Group, Inc.	BUY	122.50	Ordinary	2,995	2,995
18-Sep-2020	The Vanguard Group, Inc.	BUY	121.35	Ordinary	194	194
18-Sep-2020	The Vanguard Group, Inc.	BUY	122.50	Ordinary	718	718
18-Sep-2020	The Vanguard Group, Inc.	SELL	122.56	Ordinary	(98)	(98)
18-Sep-2020	The Vanguard Group, Inc.	BUY	122.50	Ordinary	259	259
18-Sep-2020	The Vanguard Group, Inc.	BUY	122.50	Ordinary	12	12
18-Sep-2020	The Vanguard Group, Inc.	BUY	122.50	Ordinary	708	708
21-Sep-2020	The Vanguard Group, Inc.	BUY	121.82	Ordinary	208	208
21-Sep-2020	The Vanguard Group, Inc.	BUY	121.82	Ordinary	4,805	4,805
21-Sep-2020	The Vanguard Group, Inc.	BUY	121.82	Ordinary	449	449
21-Sep-2020	The Vanguard Group, Inc.	BUY	121.82	Ordinary	108	108
21-Sep-2020	The Vanguard Group, Inc.	BUY	121.82	Ordinary	39	39
21-Sep-2020	The Vanguard Group, Inc.	BUY	121.82	Ordinary	106	106
21-Sep-2020	The Vanguard Group, Inc.	BUY	121.14	Ordinary	500	500
22-Sep-2020	The Vanguard Group, Inc.	SELL	118.69	Ordinary	(3,650)	(3,650)
22-Sep-2020	The Vanguard Group, Inc.	SELL	119.63	Ordinary	(8,004)	(8,004)
22-Sep-2020	The Vanguard Group, Inc.	BUY	120.90	Ordinary	388	388

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22-Sep-2020	The Vanguard Group, Inc.	BUY	120.26	Ordinary	39	39
23-Sep-2020	The Vanguard Group, Inc.	BUY	121.35	Ordinary	1,268	1,268
23-Sep-2020	The Vanguard Group, Inc.	SELL	121.35	Ordinary	(200)	(200)
23-Sep-2020	The Vanguard Group, Inc.	BUY	122.23	Ordinary	120	120
24-Sep-2020	The Vanguard Group, Inc.	SELL	121.73	Ordinary	(8,199)	(8,199)
24-Sep-2020	The Vanguard Group, Inc.	BUY	121.73	Ordinary	1,347	1,347
25-Sep-2020	The Vanguard Group, Inc.	BUY	122.82	Ordinary	261	261
28-Sep-2020	The Vanguard Group, Inc.	BUY	121.68	Ordinary	4,390	4,390
28-Sep-2020	The Vanguard Group, Inc.	SELL	121.77	Ordinary	(2,992)	(2,992)
29-Sep-2020	The Vanguard Group, Inc.	SELL	122.42	Ordinary	(2,182)	(2,182)
29-Sep-2020	The Vanguard Group, Inc.	BUY	121.88	Ordinary	132,900	132,900
29-Sep-2020	The Vanguard Group, Inc.	SELL	121.88	Ordinary	(132,900)	(132,900)
30-Sep-2020	The Vanguard Group, Inc.	SELL	119.57	Ordinary	(157)	(157)
30-Sep-2020	The Vanguard Group, Inc.	BUY	119.57	Ordinary	160	160
30-Sep-2020	The Vanguard Group, Inc.	BUY	119.57	Ordinary	484	484
2-Oct-2020	The Vanguard Group, Inc.	BUY	119.80	Ordinary	2,118	2,118
2-Oct-2020	The Vanguard Group, Inc.	BUY	119.70	Ordinary	42	42
2-Oct-2020	The Vanguard Group, Inc.	BUY	119.10	Ordinary	99	99
5-Oct-2020	The Vanguard Group, Inc.	BUY	123.67	Ordinary	174	174
5-Oct-2020	The Vanguard Group, Inc.	BUY	122.65	Ordinary	1,242	1,242
6-Oct-2020	The Vanguard Group, Inc.	BUY	121.88	Ordinary	261	261
6-Oct-2020	The Vanguard Group, Inc.	BUY	121.88	Ordinary	194	194
6-Oct-2020	The Vanguard Group, Inc.	BUY	123.40	Ordinary	131	131
7-Oct-2020	The Vanguard Group, Inc.	BUY	126.92	Ordinary	931	931
8-Oct-2020	The Vanguard Group, Inc.	BUY	127.99	Ordinary	1,055	1,055
9-Oct-2020	The Vanguard Group, Inc.	BUY	130.38	Ordinary	950	950
9-Oct-2020	The Vanguard Group, Inc.	BUY	130.38	Ordinary	1,765	1,765
9-Oct-2020	The Vanguard Group, Inc.	BUY	130.38	Ordinary	4,589	4,589
9-Oct-2020	The Vanguard Group, Inc.	BUY	130.38	Ordinary	2,250	2,250
9-Oct-2020	The Vanguard Group, Inc.	BUY	130.38	Ordinary	174	174
9-Oct-2020	The Vanguard Group, Inc.	BUY	130.38	Ordinary	261	261
9-Oct-2020	The Vanguard Group, Inc.	BUY	129.89	Ordinary	1,280	1,280
12-Oct-2020	The Vanguard Group, Inc.	BUY	129.61	Ordinary	6,363	6,363
13-Oct-2020	The Vanguard Group, Inc.	BUY	130.97	Ordinary	131	131
13-Oct-2020	The Vanguard Group, Inc.	SELL	130.97	Ordinary	(3,926)	(3,926)
14-Oct-2020	The Vanguard Group, Inc.	SELL	131.18	Ordinary	(4,379)	(4,379)
14-Oct-2020	The Vanguard Group, Inc.	SELL	130.20	Ordinary	(209)	(209)
14-Oct-2020	The Vanguard Group, Inc.	BUY	131.18	Ordinary	348	348
15-Oct-2020	The Vanguard Group, Inc.	BUY	132.57	Ordinary	547	547
16-Oct-2020	The Vanguard Group, Inc.	BUY	134.34	Ordinary	57	57
19-Oct-2020	The Vanguard Group, Inc.	BUY	136.04	Ordinary	262	262
21-Oct-2020	The Vanguard Group, Inc.	SELL	136.13	Ordinary	(1,707)	(1,707)
21-Oct-2020	The Vanguard Group, Inc.	BUY	136.13	Ordinary	738	738
22-Oct-2020	The Vanguard Group, Inc.	BUY	134.80	Ordinary	2,103	2,103
22-Oct-2020	The Vanguard Group, Inc.	SELL	134.80	Ordinary	(1,934)	(1,934)
22-Oct-2020	The Vanguard Group, Inc.	BUY	136.08	Ordinary	168	168
23-Oct-2020	The Vanguard Group, Inc.	BUY	136.18	Ordinary	2,064	2,064
23-Oct-2020	The Vanguard Group, Inc.	SELL	136.18	Ordinary	(406)	(406)
23-Oct-2020	The Vanguard Group, Inc.	BUY	136.76	Ordinary	39	39
26-Oct-2020	The Vanguard Group, Inc.	BUY	135.78	Ordinary	1,609	1,609
27-Oct-2020	The Vanguard Group, Inc.	BUY	135.09	Ordinary	4,255	4,255
27-Oct-2020	The Vanguard Group, Inc.	BUY	135.17	Ordinary	1,244	1,244
28-Oct-2020	The Vanguard Group, Inc.	BUY	128.06	Ordinary	388	388
28-Oct-2020	The Vanguard Group, Inc.	SELL	133.60	Ordinary	(103)	(103)
29-Oct-2020	The Vanguard Group, Inc.	BUY	128.18	Ordinary	194	194
30-Oct-2020	The Vanguard Group, Inc.	BUY	126.85	Ordinary	87	87
30-Oct-2020	The Vanguard Group, Inc.	BUY	126.75	Ordinary	419	419
30-Oct-2020	The Vanguard Group, Inc.	BUY	126.75	Ordinary	1,572	1,572
30-Oct-2020	The Vanguard Group, Inc.	BUY	126.75	Ordinary	1,717	1,717
2-Nov-2020	The Vanguard Group, Inc.	BUY	128.29	Ordinary	174	174
2-Nov-2020	The Vanguard Group, Inc.	BUY	126.32	Ordinary	84	84
2-Nov-2020	The Vanguard Group, Inc.	BUY	127.37	Ordinary	1,572	1,572
2-Nov-2020	The Vanguard Group, Inc.	BUY	127.37	Ordinary	169	169
3-Nov-2020	The Vanguard Group, Inc.	BUY	132.70	Ordinary	522	522
3-Nov-2020	The Vanguard Group, Inc.	BUY	132.70	Ordinary	582	582
3-Nov-2020	The Vanguard Group, Inc.	SELL	128.10	Ordinary	(2,247)	(2,247)
4-Nov-2020	The Vanguard Group, Inc.	BUY	133.95	Ordinary	174	174
5-Nov-2020	The Vanguard Group, Inc.	BUY	132.45	Ordinary	160	160

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
5-Nov-2020	The Vanguard Group, Inc.	BUY	132.45	Ordinary	11	11
5-Nov-2020	The Vanguard Group, Inc.	BUY	132.45	Ordinary	4,584	4,584
6-Nov-2020	The Vanguard Group, Inc.	BUY	135.45	Ordinary	131	131
10-Nov-2020	The Vanguard Group, Inc.	SELL	139.18	Ordinary	(917)	(917)
11-Nov-2020	The Vanguard Group, Inc.	SELL	139.86	Ordinary	(60)	(60)
11-Nov-2020	The Vanguard Group, Inc.	BUY	139.86	Ordinary	76	76
12-Nov-2020	The Vanguard Group, Inc.	BUY	141.02	Ordinary	168	168
13-Nov-2020	The Vanguard Group, Inc.	BUY	141.17	Ordinary	3,127	3,127
16-Nov-2020	The Vanguard Group, Inc.	BUY	140.97	Ordinary	760	760
16-Nov-2020	The Vanguard Group, Inc.	BUY	140.97	Ordinary	388	388
17-Nov-2020	The Vanguard Group, Inc.	BUY	139.68	Ordinary	786	786
17-Nov-2020	The Vanguard Group, Inc.	BUY	140.88	Ordinary	4,875	4,875
17-Nov-2020	The Vanguard Group, Inc.	BUY	139.68	Ordinary	615	615
18-Nov-2020	The Vanguard Group, Inc.	BUY	138.08	Ordinary	388	388
19-Nov-2020	The Vanguard Group, Inc.	BUY	138.01	Ordinary	125	125
19-Nov-2020	The Vanguard Group, Inc.	BUY	138.23	Ordinary	343	343
20-Nov-2020	The Vanguard Group, Inc.	BUY	137.00	Ordinary	3,370	3,370
20-Nov-2020	The Vanguard Group, Inc.	BUY	136.67	Ordinary	1,569	1,569
20-Nov-2020	The Vanguard Group, Inc.	BUY	136.67	Ordinary	3,929	3,929
20-Nov-2020	The Vanguard Group, Inc.	BUY	136.67	Ordinary	321	321
20-Nov-2020	The Vanguard Group, Inc.	BUY	136.67	Ordinary	10	10
20-Nov-2020	The Vanguard Group, Inc.	BUY	137.00	Ordinary	507	507
20-Nov-2020	The Vanguard Group, Inc.	BUY	136.67	Ordinary	535	535
24-Nov-2020	The Vanguard Group, Inc.	BUY	139.61	Ordinary	169	169
25-Nov-2020	The Vanguard Group, Inc.	BUY	141.04	Ordinary	131	131
25-Nov-2020	The Vanguard Group, Inc.	BUY	141.04	Ordinary	530	530
26-Nov-2020	The Vanguard Group, Inc.	BUY	138.27	Ordinary	1,244	1,244
27-Nov-2020	The Vanguard Group, Inc.	SELL	137.53	Ordinary	(26,540)	(26,540)
30-Nov-2020	The Vanguard Group, Inc.	BUY	138.99	Ordinary	499	499
30-Nov-2020	The Vanguard Group, Inc.	BUY	138.67	Ordinary	168	168
30-Nov-2020	The Vanguard Group, Inc.	BUY	138.99	Ordinary	11,919	11,919
1-Dec-2020	The Vanguard Group, Inc.	BUY	140.19	Ordinary	197	197
1-Dec-2020	The Vanguard Group, Inc.	BUY	140.19	Ordinary	262	262
1-Dec-2020	The Vanguard Group, Inc.	BUY	140.19	Ordinary	131	131
2-Dec-2020	The Vanguard Group, Inc.	BUY	138.34	Ordinary	468	468
2-Dec-2020	The Vanguard Group, Inc.	BUY	139.49	Ordinary	375	375
2-Dec-2020	The Vanguard Group, Inc.	BUY	138.34	Ordinary	393	393
2-Dec-2020	The Vanguard Group, Inc.	BUY	138.34	Ordinary	2,616	2,616
3-Dec-2020	The Vanguard Group, Inc.	BUY	138.87	Ordinary	2,240	2,240
4-Dec-2020	The Vanguard Group, Inc.	BUY	139.55	Ordinary	52	52
4-Dec-2020	The Vanguard Group, Inc.	BUY	141.82	Ordinary	168	168
7-Dec-2020	The Vanguard Group, Inc.	BUY	140.98	Ordinary	388	388
7-Dec-2020	The Vanguard Group, Inc.	BUY	140.98	Ordinary	582	582
7-Dec-2020	The Vanguard Group, Inc.	BUY	140.95	Ordinary	622	622
7-Dec-2020	The Vanguard Group, Inc.	BUY	140.95	Ordinary	375	375
8-Dec-2020	The Vanguard Group, Inc.	BUY	141.53	Ordinary	285	285
8-Dec-2020	The Vanguard Group, Inc.	BUY	141.53	Ordinary	2,700	2,700
9-Dec-2020	The Vanguard Group, Inc.	BUY	138.98	Ordinary	900	900
10-Dec-2020	The Vanguard Group, Inc.	BUY	139.37	Ordinary	380	380
10-Dec-2020	The Vanguard Group, Inc.	SELL	141.22	Ordinary	(168)	(168)
11-Dec-2020	The Vanguard Group, Inc.	BUY	138.09	Ordinary	570	570
11-Dec-2020	The Vanguard Group, Inc.	BUY	138.09	Ordinary	582	582
11-Dec-2020	The Vanguard Group, Inc.	SELL	138.09	Ordinary	(8,299)	(8,299)
14-Dec-2020	The Vanguard Group, Inc.	BUY	137.80	Ordinary	276	276
15-Dec-2020	The Vanguard Group, Inc.	BUY	138.91	Ordinary	2,100	2,100
16-Dec-2020	The Vanguard Group, Inc.	BUY	138.42	Ordinary	622	622
16-Dec-2020	The Vanguard Group, Inc.	BUY	138.42	Ordinary	168	168
17-Dec-2020	The Vanguard Group, Inc.	SELL	139.41	Ordinary	(2,284)	(2,284)
18-Dec-2020	The Vanguard Group, Inc.	BUY	138.00	Ordinary	224	224
18-Dec-2020	The Vanguard Group, Inc.	BUY	138.00	Ordinary	896	896
18-Dec-2020	The Vanguard Group, Inc.	SELL	138.30	Ordinary	(13,423)	(13,423)
18-Dec-2020	The Vanguard Group, Inc.	SELL	138.30	Ordinary	(3,834)	(3,834)
18-Dec-2020	The Vanguard Group, Inc.	SELL	138.30	Ordinary	(329)	(329)
18-Dec-2020	The Vanguard Group, Inc.	SELL	138.30	Ordinary	(99)	(99)
18-Dec-2020	The Vanguard Group, Inc.	BUY	137.96	Ordinary	19	19
18-Dec-2020	The Vanguard Group, Inc.	SELL	138.30	Ordinary	(44)	(44)
18-Dec-2020	The Vanguard Group, Inc.	BUY	137.96	Ordinary	619	619
18-Dec-2020	The Vanguard Group, Inc.	SELL	138.30	Ordinary	(270)	(270)

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18-Dec-2020	The Vanguard Group, Inc.	BUY	137.96	Ordinary	329	329
21-Dec-2020	The Vanguard Group, Inc.	BUY	137.75	Ordinary	264	264
21-Dec-2020	The Vanguard Group, Inc.	BUY	137.65	Ordinary	619	619
22-Dec-2020	The Vanguard Group, Inc.	BUY	137.64	Ordinary	896	896
22-Dec-2020	The Vanguard Group, Inc.	BUY	137.22	Ordinary	3,323	3,323
22-Dec-2020	The Vanguard Group, Inc.	BUY	137.64	Ordinary	1,500	1,500
22-Dec-2020	The Vanguard Group, Inc.	BUY	137.25	Ordinary	550	550
23-Dec-2020	The Vanguard Group, Inc.	BUY	138.88	Ordinary	4,013	4,013
24-Dec-2020	The Vanguard Group, Inc.	BUY	140.25	Ordinary	4,900	4,900
24-Dec-2020	The Vanguard Group, Inc.	BUY	140.11	Ordinary	147	147
24-Dec-2020	The Vanguard Group, Inc.	BUY	140.11	Ordinary	619	619
29-Dec-2020	The Vanguard Group, Inc.	BUY	140.71	Ordinary	963	963
29-Dec-2020	The Vanguard Group, Inc.	BUY	139.84	Ordinary	382	382
30-Dec-2020	The Vanguard Group, Inc.	BUY	139.95	Ordinary	87	87
30-Dec-2020	The Vanguard Group, Inc.	BUY	139.95	Ordinary	191	191
30-Dec-2020	The Vanguard Group, Inc.	BUY	140.49	Ordinary	2,559	2,559
30-Dec-2020	The Vanguard Group, Inc.	BUY	140.49	Ordinary	294	294
30-Dec-2020	The Vanguard Group, Inc.	SELL	140.49	Ordinary	(4,060)	(4,060)
31-Dec-2020	The Vanguard Group, Inc.	BUY	138.48	Ordinary	406	406
31-Dec-2020	The Vanguard Group, Inc.	BUY	138.45	Ordinary	4,613	4,613
31-Dec-2020	The Vanguard Group, Inc.	SELL	138.45	Ordinary	(4,613)	(4,613)
4-Jan-2021	The Vanguard Group, Inc.	BUY	138.54	Ordinary	926	926
5-Jan-2021	The Vanguard Group, Inc.	BUY	140.33	Ordinary	1,344	1,344
5-Jan-2021	The Vanguard Group, Inc.	BUY	140.33	Ordinary	475	475
5-Jan-2021	The Vanguard Group, Inc.	BUY	140.33	Ordinary	570	570
5-Jan-2021	The Vanguard Group, Inc.	SELL	138.65	Ordinary	(218)	(218)
5-Jan-2021	The Vanguard Group, Inc.	BUY	138.65	Ordinary	854	854
5-Jan-2021	The Vanguard Group, Inc.	BUY	138.65	Ordinary	84	84
5-Jan-2021	The Vanguard Group, Inc.	BUY	139.11	Ordinary	621	621
6-Jan-2021	The Vanguard Group, Inc.	BUY	137.05	Ordinary	1,200	1,200
6-Jan-2021	The Vanguard Group, Inc.	SELL	138.06	Ordinary	(3,768)	(3,768)
6-Jan-2021	The Vanguard Group, Inc.	SELL	138.06	Ordinary	(71)	(71)
6-Jan-2021	The Vanguard Group, Inc.	BUY	135.82	Ordinary	147	147
7-Jan-2021	The Vanguard Group, Inc.	BUY	139.58	Ordinary	5,600	5,600
7-Jan-2021	The Vanguard Group, Inc.	BUY	139.58	Ordinary	380	380
7-Jan-2021	The Vanguard Group, Inc.	BUY	139.58	Ordinary	5,400	5,400
7-Jan-2021	The Vanguard Group, Inc.	BUY	139.58	Ordinary	174	174
7-Jan-2021	The Vanguard Group, Inc.	BUY	139.05	Ordinary	1,569	1,569
7-Jan-2021	The Vanguard Group, Inc.	SELL	139.05	Ordinary	(4,988)	(4,988)
7-Jan-2021	The Vanguard Group, Inc.	BUY	138.45	Ordinary	167	167
8-Jan-2021	The Vanguard Group, Inc.	BUY	141.16	Ordinary	3,360	3,360
8-Jan-2021	The Vanguard Group, Inc.	BUY	141.16	Ordinary	760	760
8-Jan-2021	The Vanguard Group, Inc.	BUY	141.16	Ordinary	4,236	4,236
8-Jan-2021	The Vanguard Group, Inc.	BUY	140.95	Ordinary	350	350
8-Jan-2021	The Vanguard Group, Inc.	BUY	140.95	Ordinary	1,617	1,617
8-Jan-2021	The Vanguard Group, Inc.	BUY	140.95	Ordinary	523	523
8-Jan-2021	The Vanguard Group, Inc.	BUY	140.95	Ordinary	1,632	1,632
11-Jan-2021	The Vanguard Group, Inc.	BUY	140.01	Ordinary	621	621
12-Jan-2021	The Vanguard Group, Inc.	BUY	139.41	Ordinary	900	900
12-Jan-2021	The Vanguard Group, Inc.	BUY	139.41	Ordinary	2,400	2,400
12-Jan-2021	The Vanguard Group, Inc.	SELL	140.11	Ordinary	(5,721)	(5,721)
12-Jan-2021	The Vanguard Group, Inc.	BUY	138.79	Ordinary	70	70
12-Jan-2021	The Vanguard Group, Inc.	BUY	140.01	Ordinary	442	442
12-Jan-2021	The Vanguard Group, Inc.	BUY	138.79	Ordinary	147	147
13-Jan-2021	The Vanguard Group, Inc.	BUY	137.07	Ordinary	475	475
13-Jan-2021	The Vanguard Group, Inc.	BUY	137.07	Ordinary	2,471	2,471
13-Jan-2021	The Vanguard Group, Inc.	BUY	137.07	Ordinary	573	573
13-Jan-2021	The Vanguard Group, Inc.	BUY	137.07	Ordinary	573	573
13-Jan-2021	The Vanguard Group, Inc.	BUY	136.96	Ordinary	194	194
13-Jan-2021	The Vanguard Group, Inc.	BUY	138.00	Ordinary	746	746
13-Jan-2021	The Vanguard Group, Inc.	BUY	136.96	Ordinary	147	147
14-Jan-2021	The Vanguard Group, Inc.	BUY	138.77	Ordinary	672	672
14-Jan-2021	The Vanguard Group, Inc.	BUY	138.77	Ordinary	380	380
14-Jan-2021	The Vanguard Group, Inc.	BUY	138.77	Ordinary	382	382
14-Jan-2021	The Vanguard Group, Inc.	BUY	138.30	Ordinary	167	167
15-Jan-2021	The Vanguard Group, Inc.	BUY	136.73	Ordinary	955	955
18-Jan-2021	The Vanguard Group, Inc.	BUY	136.65	Ordinary	620	620
18-Jan-2021	The Vanguard Group, Inc.	BUY	137.00	Ordinary	2,579	2,579

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19-Jan-2021	The Vanguard Group, Inc.	BUY	138.83	Ordinary	147	147
19-Jan-2021	The Vanguard Group, Inc.	BUY	138.83	Ordinary	8,173	8,173
20-Jan-2021	The Vanguard Group, Inc.	BUY	138.44	Ordinary	95	95
20-Jan-2021	The Vanguard Group, Inc.	BUY	138.44	Ordinary	724	724
21-Jan-2021	The Vanguard Group, Inc.	BUY	139.35	Ordinary	1,412	1,412
21-Jan-2021	The Vanguard Group, Inc.	BUY	139.35	Ordinary	2,700	2,700
22-Jan-2021	The Vanguard Group, Inc.	BUY	137.19	Ordinary	174	174
22-Jan-2021	The Vanguard Group, Inc.	BUY	138.94	Ordinary	933	933
22-Jan-2021	The Vanguard Group, Inc.	SELL	138.94	Ordinary	(51)	(51)
22-Jan-2021	The Vanguard Group, Inc.	BUY	138.94	Ordinary	147	147
22-Jan-2021	The Vanguard Group, Inc.	BUY	137.10	Ordinary	294	294
22-Jan-2021	The Vanguard Group, Inc.	BUY	137.10	Ordinary	1,240	1,240
22-Jan-2021	The Vanguard Group, Inc.	BUY	137.10	Ordinary	3,904	3,904
25-Jan-2021	The Vanguard Group, Inc.	BUY	137.40	Ordinary	3,177	3,177
27-Jan-2021	The Vanguard Group, Inc.	BUY	136.00	Ordinary	1,893	1,893
27-Jan-2021	The Vanguard Group, Inc.	BUY	136.00	Ordinary	505	505
27-Jan-2021	The Vanguard Group, Inc.	BUY	135.64	Ordinary	473	473
27-Jan-2021	The Vanguard Group, Inc.	BUY	135.64	Ordinary	620	620
28-Jan-2021	The Vanguard Group, Inc.	BUY	134.67	Ordinary	2,118	2,118
28-Jan-2021	The Vanguard Group, Inc.	BUY	134.67	Ordinary	174	174
28-Jan-2021	The Vanguard Group, Inc.	BUY	134.67	Ordinary	382	382
28-Jan-2021	The Vanguard Group, Inc.	BUY	134.67	Ordinary	573	573
28-Jan-2021	The Vanguard Group, Inc.	SELL	135.00	Ordinary	(115)	(115)
28-Jan-2021	The Vanguard Group, Inc.	BUY	133.40	Ordinary	147	147
28-Jan-2021	The Vanguard Group, Inc.	BUY	133.40	Ordinary	4,396	4,396
29-Jan-2021	The Vanguard Group, Inc.	BUY	130.49	Ordinary	1,120	1,120
29-Jan-2021	The Vanguard Group, Inc.	BUY	130.49	Ordinary	2,118	2,118
29-Jan-2021	The Vanguard Group, Inc.	BUY	130.49	Ordinary	900	900
29-Jan-2021	The Vanguard Group, Inc.	BUY	134.67	Ordinary	42	42
29-Jan-2021	The Vanguard Group, Inc.	BUY	131.40	Ordinary	294	294
29-Jan-2021	The Vanguard Group, Inc.	BUY	131.40	Ordinary	655	655
1-Feb-2021	The Vanguard Group, Inc.	SELL	132.13	Ordinary	(1,323)	(1,323)
2-Feb-2021	The Vanguard Group, Inc.	BUY	134.29	Ordinary	318	318
3-Feb-2021	The Vanguard Group, Inc.	BUY	135.90	Ordinary	2,162	2,162
3-Feb-2021	The Vanguard Group, Inc.	BUY	135.14	Ordinary	261	261
3-Feb-2021	The Vanguard Group, Inc.	SELL	135.90	Ordinary	(144)	(144)
3-Feb-2021	The Vanguard Group, Inc.	BUY	135.11	Ordinary	140	140
4-Feb-2021	The Vanguard Group, Inc.	BUY	135.77	Ordinary	2,118	2,118
4-Feb-2021	The Vanguard Group, Inc.	BUY	134.70	Ordinary	441	441
5-Feb-2021	The Vanguard Group, Inc.	BUY	134.96	Ordinary	2,180	2,180
5-Feb-2021	The Vanguard Group, Inc.	BUY	135.07	Ordinary	261	261
5-Feb-2021	The Vanguard Group, Inc.	BUY	135.07	Ordinary	435	435
5-Feb-2021	The Vanguard Group, Inc.	SELL	135.97	Ordinary	(367)	(367)
5-Feb-2021	The Vanguard Group, Inc.	BUY	134.52	Ordinary	147	147
8-Feb-2021	The Vanguard Group, Inc.	BUY	134.20	Ordinary	4,213	4,213
8-Feb-2021	The Vanguard Group, Inc.	BUY	134.23	Ordinary	2,179	2,179
8-Feb-2021	The Vanguard Group, Inc.	BUY	134.72	Ordinary	382	382
8-Feb-2021	The Vanguard Group, Inc.	BUY	134.20	Ordinary	55	55
9-Feb-2021	The Vanguard Group, Inc.	BUY	143.35	Ordinary	2,203	2,203
10-Feb-2021	The Vanguard Group, Inc.	BUY	146.63	Ordinary	448	448
10-Feb-2021	The Vanguard Group, Inc.	BUY	146.63	Ordinary	1,059	1,059
10-Feb-2021	The Vanguard Group, Inc.	BUY	146.63	Ordinary	1,200	1,200
10-Feb-2021	The Vanguard Group, Inc.	BUY	146.63	Ordinary	4,200	4,200
10-Feb-2021	The Vanguard Group, Inc.	BUY	146.97	Ordinary	2,204	2,204
10-Feb-2021	The Vanguard Group, Inc.	BUY	146.63	Ordinary	174	174
10-Feb-2021	The Vanguard Group, Inc.	BUY	147.37	Ordinary	294	294
10-Feb-2021	The Vanguard Group, Inc.	BUY	147.37	Ordinary	697	697
11-Feb-2021	The Vanguard Group, Inc.	BUY	146.34	Ordinary	1,792	1,792
11-Feb-2021	The Vanguard Group, Inc.	BUY	146.34	Ordinary	2,824	2,824
11-Feb-2021	The Vanguard Group, Inc.	BUY	146.34	Ordinary	1,200	1,200
11-Feb-2021	The Vanguard Group, Inc.	BUY	146.34	Ordinary	348	348
11-Feb-2021	The Vanguard Group, Inc.	BUY	146.34	Ordinary	764	764
11-Feb-2021	The Vanguard Group, Inc.	BUY	146.21	Ordinary	147	147
11-Feb-2021	The Vanguard Group, Inc.	BUY	146.21	Ordinary	4,943	4,943
12-Feb-2021	The Vanguard Group, Inc.	BUY	145.31	Ordinary	1,120	1,120
12-Feb-2021	The Vanguard Group, Inc.	BUY	145.31	Ordinary	3,177	3,177
12-Feb-2021	The Vanguard Group, Inc.	BUY	145.31	Ordinary	900	900
12-Feb-2021	The Vanguard Group, Inc.	BUY	145.31	Ordinary	261	261

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
12-Feb-2021	The Vanguard Group, Inc.	BUY	145.30	Ordinary	33	33
12-Feb-2021	The Vanguard Group, Inc.	BUY	144.28	Ordinary	147	147
15-Feb-2021	The Vanguard Group, Inc.	BUY	144.70	Ordinary	1,114	1,114
16-Feb-2021	The Vanguard Group, Inc.	BUY	146.83	Ordinary	2,324	2,324
16-Feb-2021	The Vanguard Group, Inc.	SELL	146.99	Ordinary	(88)	(88)
16-Feb-2021	The Vanguard Group, Inc.	BUY	146.99	Ordinary	607	607
16-Feb-2021	The Vanguard Group, Inc.	BUY	146.99	Ordinary	326	326
17-Feb-2021	The Vanguard Group, Inc.	BUY	145.82	Ordinary	1,658	1,658
17-Feb-2021	The Vanguard Group, Inc.	BUY	145.67	Ordinary	376	376
17-Feb-2021	The Vanguard Group, Inc.	BUY	145.67	Ordinary	82	82
17-Feb-2021	The Vanguard Group, Inc.	BUY	146.42	Ordinary	2,435	2,435
18-Feb-2021	The Vanguard Group, Inc.	BUY	146.30	Ordinary	3,421	3,421
18-Feb-2021	The Vanguard Group, Inc.	BUY	146.30	Ordinary	2	2
18-Feb-2021	The Vanguard Group, Inc.	BUY	145.56	Ordinary	147	147
18-Feb-2021	The Vanguard Group, Inc.	BUY	145.56	Ordinary	1,646	1,646
19-Feb-2021	The Vanguard Group, Inc.	BUY	142.61	Ordinary	1,120	1,120
19-Feb-2021	The Vanguard Group, Inc.	SELL	144.35	Ordinary	(1,775)	(1,775)
19-Feb-2021	The Vanguard Group, Inc.	BUY	144.35	Ordinary	571	571
19-Feb-2021	The Vanguard Group, Inc.	SELL	144.35	Ordinary	(693)	(693)
19-Feb-2021	The Vanguard Group, Inc.	BUY	142.26	Ordinary	294	294
22-Feb-2021	The Vanguard Group, Inc.	SELL	147.20	Ordinary	(7,181)	(7,181)
22-Feb-2021	The Vanguard Group, Inc.	BUY	147.15	Ordinary	260	260
22-Feb-2021	The Vanguard Group, Inc.	SELL	147.15	Ordinary	(1,244)	(1,244)
23-Feb-2021	The Vanguard Group, Inc.	BUY	148.02	Ordinary	382	382
23-Feb-2021	The Vanguard Group, Inc.	BUY	148.02	Ordinary	573	573
23-Feb-2021	The Vanguard Group, Inc.	SELL	148.37	Ordinary	(1,767)	(1,767)
24-Feb-2021	The Vanguard Group, Inc.	BUY	148.67	Ordinary	174	174
24-Feb-2021	The Vanguard Group, Inc.	BUY	148.67	Ordinary	382	382
24-Feb-2021	The Vanguard Group, Inc.	BUY	147.26	Ordinary	1,562	1,562
24-Feb-2021	The Vanguard Group, Inc.	BUY	146.90	Ordinary	147	147
24-Feb-2021	The Vanguard Group, Inc.	BUY	146.90	Ordinary	169	169
25-Feb-2021	The Vanguard Group, Inc.	BUY	142.37	Ordinary	2,292	2,292
25-Feb-2021	The Vanguard Group, Inc.	BUY	145.32	Ordinary	109	109
25-Feb-2021	The Vanguard Group, Inc.	BUY	145.32	Ordinary	6	6
25-Feb-2021	The Vanguard Group, Inc.	BUY	145.32	Ordinary	147	147
26-Feb-2021	The Vanguard Group, Inc.	SELL	142.54	Ordinary	(8)	(8)
26-Feb-2021	The Vanguard Group, Inc.	BUY	142.48	Ordinary	147	147
26-Feb-2021	The Vanguard Group, Inc.	SELL	142.48	Ordinary	(9,054)	(9,054)
26-Feb-2021	The Vanguard Group, Inc.	BUY	142.48	Ordinary	709	709
1-Mar-2021	The Vanguard Group, Inc.	BUY	146.91	Ordinary	1,140	1,140
1-Mar-2021	The Vanguard Group, Inc.	BUY	146.91	Ordinary	174	174
1-Mar-2021	The Vanguard Group, Inc.	BUY	146.91	Ordinary	382	382
1-Mar-2021	The Vanguard Group, Inc.	BUY	145.35	Ordinary	273	273
1-Mar-2021	The Vanguard Group, Inc.	BUY	145.35	Ordinary	735	735
1-Mar-2021	The Vanguard Group, Inc.	BUY	145.35	Ordinary	168	168
2-Mar-2021	The Vanguard Group, Inc.	BUY	147.71	Ordinary	261	261
2-Mar-2021	The Vanguard Group, Inc.	BUY	146.91	Ordinary	7,610	7,610
2-Mar-2021	The Vanguard Group, Inc.	BUY	146.84	Ordinary	147	147
2-Mar-2021	The Vanguard Group, Inc.	BUY	146.84	Ordinary	98	98
3-Mar-2021	The Vanguard Group, Inc.	SELL	145.94	Ordinary	(115)	(115)
3-Mar-2021	The Vanguard Group, Inc.	BUY	147.74	Ordinary	278	278
3-Mar-2021	The Vanguard Group, Inc.	BUY	147.74	Ordinary	644	644
3-Mar-2021	The Vanguard Group, Inc.	BUY	147.74	Ordinary	1,351	1,351
4-Mar-2021	The Vanguard Group, Inc.	BUY	145.54	Ordinary	382	382
4-Mar-2021	The Vanguard Group, Inc.	BUY	147.10	Ordinary	3,744	3,744
4-Mar-2021	The Vanguard Group, Inc.	BUY	146.43	Ordinary	128	128
5-Mar-2021	The Vanguard Group, Inc.	BUY	144.17	Ordinary	1,119	1,119
5-Mar-2021	The Vanguard Group, Inc.	BUY	146.38	Ordinary	261	261
5-Mar-2021	The Vanguard Group, Inc.	BUY	144.20	Ordinary	147	147
8-Mar-2021	The Vanguard Group, Inc.	BUY	149.12	Ordinary	382	382
8-Mar-2021	The Vanguard Group, Inc.	BUY	148.45	Ordinary	458	458
8-Mar-2021	The Vanguard Group, Inc.	SELL	148.45	Ordinary	(15,746)	(15,746)
9-Mar-2021	The Vanguard Group, Inc.	BUY	153.12	Ordinary	896	896
9-Mar-2021	The Vanguard Group, Inc.	BUY	153.12	Ordinary	600	600
9-Mar-2021	The Vanguard Group, Inc.	BUY	153.12	Ordinary	3,000	3,000
9-Mar-2021	The Vanguard Group, Inc.	BUY	153.12	Ordinary	174	174
9-Mar-2021	The Vanguard Group, Inc.	BUY	152.05	Ordinary	184	184
9-Mar-2021	The Vanguard Group, Inc.	BUY	152.05	Ordinary	11	11

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
9-Mar-2021	The Vanguard Group, Inc.	BUY	152.05	Ordinary	336	336
9-Mar-2021	The Vanguard Group, Inc.	BUY	150.00	Ordinary	2,858	2,858
10-Mar-2021	The Vanguard Group, Inc.	BUY	151.54	Ordinary	500	500
10-Mar-2021	The Vanguard Group, Inc.	BUY	153.00	Ordinary	1,500	1,500
10-Mar-2021	The Vanguard Group, Inc.	BUY	150.36	Ordinary	441	441
11-Mar-2021	The Vanguard Group, Inc.	BUY	149.95	Ordinary	1,568	1,568
11-Mar-2021	The Vanguard Group, Inc.	BUY	149.95	Ordinary	1,300	1,300
11-Mar-2021	The Vanguard Group, Inc.	BUY	148.65	Ordinary	122	122
12-Mar-2021	The Vanguard Group, Inc.	BUY	149.60	Ordinary	3,460	3,460
15-Mar-2021	The Vanguard Group, Inc.	BUY	150.71	Ordinary	174	174
15-Mar-2021	The Vanguard Group, Inc.	BUY	149.74	Ordinary	268	268
16-Mar-2021	The Vanguard Group, Inc.	BUY	150.49	Ordinary	382	382
16-Mar-2021	The Vanguard Group, Inc.	BUY	151.06	Ordinary	147	147
16-Mar-2021	The Vanguard Group, Inc.	BUY	151.06	Ordinary	507	507
17-Mar-2021	The Vanguard Group, Inc.	BUY	151.56	Ordinary	700	700
17-Mar-2021	The Vanguard Group, Inc.	SELL	151.36	Ordinary	(31)	(31)
17-Mar-2021	The Vanguard Group, Inc.	SELL	151.36	Ordinary	(624)	(624)
17-Mar-2021	The Vanguard Group, Inc.	SELL	151.36	Ordinary	(3,765)	(3,765)
18-Mar-2021	The Vanguard Group, Inc.	BUY	151.44	Ordinary	378	378
18-Mar-2021	The Vanguard Group, Inc.	SELL	151.44	Ordinary	(417)	(417)
19-Mar-2021	The Vanguard Group, Inc.	SELL	148.79	Ordinary	(8,976)	(8,976)
19-Mar-2021	The Vanguard Group, Inc.	SELL	148.79	Ordinary	(10,891)	(10,891)
19-Mar-2021	The Vanguard Group, Inc.	SELL	148.79	Ordinary	(4,815)	(4,815)
19-Mar-2021	The Vanguard Group, Inc.	SELL	148.79	Ordinary	(283)	(283)
19-Mar-2021	The Vanguard Group, Inc.	SELL	148.79	Ordinary	(216)	(216)
19-Mar-2021	The Vanguard Group, Inc.	SELL	148.79	Ordinary	(816)	(816)
19-Mar-2021	The Vanguard Group, Inc.	BUY	148.80	Ordinary	322	322
19-Mar-2021	The Vanguard Group, Inc.	SELL	148.79	Ordinary	(1,165)	(1,165)
19-Mar-2021	The Vanguard Group, Inc.	SELL	150.51	Ordinary	(2,676)	(2,676)
19-Mar-2021	The Vanguard Group, Inc.	BUY	148.80	Ordinary	1,196	1,196
19-Mar-2021	The Vanguard Group, Inc.	SELL	148.79	Ordinary	(478)	(478)
22-Mar-2021	The Vanguard Group, Inc.	BUY	150.87	Ordinary	448	448
22-Mar-2021	The Vanguard Group, Inc.	BUY	150.87	Ordinary	348	348
22-Mar-2021	The Vanguard Group, Inc.	BUY	150.91	Ordinary	194	194
22-Mar-2021	The Vanguard Group, Inc.	BUY	150.91	Ordinary	132	132
23-Mar-2021	The Vanguard Group, Inc.	BUY	150.32	Ordinary	498	498
23-Mar-2021	The Vanguard Group, Inc.	BUY	151.02	Ordinary	160	160
23-Mar-2021	The Vanguard Group, Inc.	BUY	151.02	Ordinary	165	165
24-Mar-2021	The Vanguard Group, Inc.	BUY	151.51	Ordinary	217	217
25-Mar-2021	The Vanguard Group, Inc.	BUY	151.64	Ordinary	4,992	4,992
25-Mar-2021	The Vanguard Group, Inc.	BUY	152.77	Ordinary	489	489
26-Mar-2021	The Vanguard Group, Inc.	BUY	153.50	Ordinary	34	34
26-Mar-2021	The Vanguard Group, Inc.	BUY	153.40	Ordinary	129	129
29-Mar-2021	The Vanguard Group, Inc.	BUY	152.45	Ordinary	928	928
29-Mar-2021	The Vanguard Group, Inc.	BUY	151.46	Ordinary	5,999	5,999
29-Mar-2021	The Vanguard Group, Inc.	BUY	151.46	Ordinary	692	692
29-Mar-2021	The Vanguard Group, Inc.	BUY	151.46	Ordinary	19	19
30-Mar-2021	The Vanguard Group, Inc.	BUY	150.56	Ordinary	525	525
30-Mar-2021	The Vanguard Group, Inc.	BUY	150.56	Ordinary	160	160
30-Mar-2021	The Vanguard Group, Inc.	BUY	150.56	Ordinary	17	17
31-Mar-2021	The Vanguard Group, Inc.	BUY	153.48	Ordinary	3,520	3,520
31-Mar-2021	The Vanguard Group, Inc.	BUY	152.59	Ordinary	5,145	5,145
31-Mar-2021	The Vanguard Group, Inc.	BUY	153.48	Ordinary	261	261
31-Mar-2021	The Vanguard Group, Inc.	SELL	152.83	Ordinary	(11,025)	(11,025)
1-Apr-2021	The Vanguard Group, Inc.	BUY	151.41	Ordinary	7,570	7,570
1-Apr-2021	The Vanguard Group, Inc.	BUY	151.41	Ordinary	6,277	6,277
1-Apr-2021	The Vanguard Group, Inc.	BUY	151.41	Ordinary	45	45
5-Apr-2021	The Vanguard Group, Inc.	BUY	154.67	Ordinary	546	546
6-Apr-2021	The Vanguard Group, Inc.	BUY	152.52	Ordinary	2,240	2,240
6-Apr-2021	The Vanguard Group, Inc.	BUY	153.61	Ordinary	2,274	2,274
6-Apr-2021	The Vanguard Group, Inc.	BUY	152.52	Ordinary	2,464	2,464
6-Apr-2021	The Vanguard Group, Inc.	BUY	152.18	Ordinary	323	323
7-Apr-2021	The Vanguard Group, Inc.	BUY	152.19	Ordinary	174	174
7-Apr-2021	The Vanguard Group, Inc.	BUY	152.19	Ordinary	174	174
7-Apr-2021	The Vanguard Group, Inc.	BUY	151.01	Ordinary	30	30
7-Apr-2021	The Vanguard Group, Inc.	BUY	151.69	Ordinary	124	124
7-Apr-2021	The Vanguard Group, Inc.	BUY	151.69	Ordinary	129	129
7-Apr-2021	The Vanguard Group, Inc.	BUY	151.69	Ordinary	161	161

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7-Apr-2021	The Vanguard Group, Inc.	BUY	151.69	Ordinary	13	13
8-Apr-2021	The Vanguard Group, Inc.	BUY	153.35	Ordinary	261	261
8-Apr-2021	The Vanguard Group, Inc.	BUY	153.62	Ordinary	11	11
9-Apr-2021	The Vanguard Group, Inc.	BUY	154.99	Ordinary	2,816	2,816
9-Apr-2021	The Vanguard Group, Inc.	BUY	154.99	Ordinary	888	888
9-Apr-2021	The Vanguard Group, Inc.	BUY	154.80	Ordinary	8,213	8,213
9-Apr-2021	The Vanguard Group, Inc.	BUY	154.80	Ordinary	254	254
9-Apr-2021	The Vanguard Group, Inc.	BUY	153.73	Ordinary	38	38
9-Apr-2021	The Vanguard Group, Inc.	BUY	154.80	Ordinary	1,842	1,842
9-Apr-2021	The Vanguard Group, Inc.	BUY	154.80	Ordinary	270	270
9-Apr-2021	The Vanguard Group, Inc.	BUY	154.80	Ordinary	15	15
12-Apr-2021	The Vanguard Group, Inc.	SELL	153.92	Ordinary	(27)	(27)
12-Apr-2021	The Vanguard Group, Inc.	BUY	153.92	Ordinary	389	389
13-Apr-2021	The Vanguard Group, Inc.	BUY	154.89	Ordinary	2,112	2,112
13-Apr-2021	The Vanguard Group, Inc.	BUY	154.00	Ordinary	2,444	2,444
13-Apr-2021	The Vanguard Group, Inc.	BUY	154.89	Ordinary	348	348
13-Apr-2021	The Vanguard Group, Inc.	BUY	154.25	Ordinary	129	129
13-Apr-2021	The Vanguard Group, Inc.	BUY	154.25	Ordinary	1,397	1,397
13-Apr-2021	The Vanguard Group, Inc.	BUY	154.25	Ordinary	161	161
13-Apr-2021	The Vanguard Group, Inc.	BUY	154.25	Ordinary	442	442
14-Apr-2021	The Vanguard Group, Inc.	BUY	154.43	Ordinary	1,568	1,568
14-Apr-2021	The Vanguard Group, Inc.	BUY	154.43	Ordinary	2,112	2,112
14-Apr-2021	The Vanguard Group, Inc.	BUY	154.43	Ordinary	364	364
14-Apr-2021	The Vanguard Group, Inc.	SELL	155.31	Ordinary	(139)	(139)
14-Apr-2021	The Vanguard Group, Inc.	BUY	154.20	Ordinary	541	541
15-Apr-2021	The Vanguard Group, Inc.	BUY	158.27	Ordinary	232	232
15-Apr-2021	The Vanguard Group, Inc.	BUY	158.27	Ordinary	1,204	1,204
15-Apr-2021	The Vanguard Group, Inc.	BUY	158.27	Ordinary	546	546
15-Apr-2021	The Vanguard Group, Inc.	BUY	155.31	Ordinary	485	485
15-Apr-2021	The Vanguard Group, Inc.	BUY	155.31	Ordinary	547	547
15-Apr-2021	The Vanguard Group, Inc.	BUY	157.85	Ordinary	23	23
16-Apr-2021	The Vanguard Group, Inc.	BUY	156.25	Ordinary	2,187	2,187
16-Apr-2021	The Vanguard Group, Inc.	BUY	156.25	Ordinary	274	274
16-Apr-2021	The Vanguard Group, Inc.	BUY	156.25	Ordinary	433	433
16-Apr-2021	The Vanguard Group, Inc.	BUY	156.25	Ordinary	12,500	12,500
19-Apr-2021	The Vanguard Group, Inc.	BUY	156.89	Ordinary	928	928
19-Apr-2021	The Vanguard Group, Inc.	BUY	156.89	Ordinary	3,520	3,520
19-Apr-2021	The Vanguard Group, Inc.	BUY	156.89	Ordinary	174	174
19-Apr-2021	The Vanguard Group, Inc.	BUY	157.28	Ordinary	194	194
19-Apr-2021	The Vanguard Group, Inc.	SELL	157.28	Ordinary	(184)	(184)
19-Apr-2021	The Vanguard Group, Inc.	BUY	157.28	Ordinary	129	129
19-Apr-2021	The Vanguard Group, Inc.	BUY	157.28	Ordinary	15	15
19-Apr-2021	The Vanguard Group, Inc.	SELL	157.28	Ordinary	(322)	(322)
20-Apr-2021	The Vanguard Group, Inc.	BUY	154.03	Ordinary	364	364
20-Apr-2021	The Vanguard Group, Inc.	BUY	156.00	Ordinary	644	644
21-Apr-2021	The Vanguard Group, Inc.	BUY	156.98	Ordinary	364	364
21-Apr-2021	The Vanguard Group, Inc.	SELL	153.18	Ordinary	(48)	(48)
21-Apr-2021	The Vanguard Group, Inc.	BUY	153.18	Ordinary	58	58
21-Apr-2021	The Vanguard Group, Inc.	BUY	155.84	Ordinary	124	124
21-Apr-2021	The Vanguard Group, Inc.	BUY	155.84	Ordinary	3,369	3,369
21-Apr-2021	The Vanguard Group, Inc.	BUY	155.84	Ordinary	567	567
22-Apr-2021	The Vanguard Group, Inc.	BUY	155.83	Ordinary	464	464
22-Apr-2021	The Vanguard Group, Inc.	BUY	155.83	Ordinary	174	174
22-Apr-2021	The Vanguard Group, Inc.	BUY	156.40	Ordinary	31	31
23-Apr-2021	The Vanguard Group, Inc.	BUY	158.45	Ordinary	3,313	3,313
23-Apr-2021	The Vanguard Group, Inc.	BUY	158.85	Ordinary	364	364
23-Apr-2021	The Vanguard Group, Inc.	BUY	156.19	Ordinary	674	674
23-Apr-2021	The Vanguard Group, Inc.	BUY	158.45	Ordinary	360	360
23-Apr-2021	The Vanguard Group, Inc.	BUY	158.45	Ordinary	1,944	1,944
26-Apr-2021	The Vanguard Group, Inc.	BUY	158.57	Ordinary	1,204	1,204
26-Apr-2021	The Vanguard Group, Inc.	BUY	159.23	Ordinary	5,373	5,373
26-Apr-2021	The Vanguard Group, Inc.	SELL	159.48	Ordinary	(1,192)	(1,192)
26-Apr-2021	The Vanguard Group, Inc.	BUY	158.24	Ordinary	82	82
26-Apr-2021	The Vanguard Group, Inc.	BUY	158.24	Ordinary	12	12
27-Apr-2021	The Vanguard Group, Inc.	BUY	158.32	Ordinary	3,066	3,066
27-Apr-2021	The Vanguard Group, Inc.	BUY	159.21	Ordinary	888	888
27-Apr-2021	The Vanguard Group, Inc.	BUY	158.32	Ordinary	3,807	3,807
27-Apr-2021	The Vanguard Group, Inc.	SELL	158.85	Ordinary	(424)	(424)

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28-Apr-2021	The Vanguard Group, Inc.	BUY	161.47	Ordinary	896	896
28-Apr-2021	The Vanguard Group, Inc.	BUY	161.47	Ordinary	740	740
28-Apr-2021	The Vanguard Group, Inc.	BUY	160.88	Ordinary	170	170
28-Apr-2021	The Vanguard Group, Inc.	SELL	160.89	Ordinary	(75)	(75)
29-Apr-2021	The Vanguard Group, Inc.	BUY	160.33	Ordinary	1,110	1,110
29-Apr-2021	The Vanguard Group, Inc.	SELL	161.50	Ordinary	(95)	(95)
29-Apr-2021	The Vanguard Group, Inc.	SELL	161.50	Ordinary	(342)	(342)
29-Apr-2021	The Vanguard Group, Inc.	BUY	160.52	Ordinary	429	429
30-Apr-2021	The Vanguard Group, Inc.	BUY	160.49	Ordinary	5,515	5,515
30-Apr-2021	The Vanguard Group, Inc.	BUY	160.80	Ordinary	58	58
30-Apr-2021	The Vanguard Group, Inc.	BUY	160.49	Ordinary	349	349
30-Apr-2021	The Vanguard Group, Inc.	BUY	160.49	Ordinary	660	660
3-May-2021	The Vanguard Group, Inc.	BUY	160.19	Ordinary	820	820
3-May-2021	The Vanguard Group, Inc.	BUY	160.19	Ordinary	17	17
4-May-2021	The Vanguard Group, Inc.	BUY	159.65	Ordinary	888	888
4-May-2021	The Vanguard Group, Inc.	BUY	159.65	Ordinary	1,258	1,258
5-May-2021	The Vanguard Group, Inc.	BUY	160.28	Ordinary	2,859	2,859
5-May-2021	The Vanguard Group, Inc.	BUY	160.28	Ordinary	5,965	5,965
6-May-2021	The Vanguard Group, Inc.	BUY	159.67	Ordinary	6,657	6,657
6-May-2021	The Vanguard Group, Inc.	BUY	159.55	Ordinary	174	174
6-May-2021	The Vanguard Group, Inc.	BUY	159.55	Ordinary	261	261
6-May-2021	The Vanguard Group, Inc.	BUY	159.67	Ordinary	3,374	3,374
6-May-2021	The Vanguard Group, Inc.	BUY	159.55	Ordinary	546	546
6-May-2021	The Vanguard Group, Inc.	BUY	159.67	Ordinary	5,385	5,385
6-May-2021	The Vanguard Group, Inc.	SELL	160.72	Ordinary	(26)	(26)
6-May-2021	The Vanguard Group, Inc.	BUY	159.00	Ordinary	169	169
6-May-2021	The Vanguard Group, Inc.	BUY	159.00	Ordinary	125	125
6-May-2021	The Vanguard Group, Inc.	BUY	159.00	Ordinary	258	258
7-May-2021	The Vanguard Group, Inc.	BUY	158.90	Ordinary	672	672
7-May-2021	The Vanguard Group, Inc.	BUY	158.90	Ordinary	2,912	2,912
7-May-2021	The Vanguard Group, Inc.	BUY	159.00	Ordinary	1,849	1,849
7-May-2021	The Vanguard Group, Inc.	BUY	158.90	Ordinary	1,204	1,204
7-May-2021	The Vanguard Group, Inc.	BUY	158.90	Ordinary	2,590	2,590
7-May-2021	The Vanguard Group, Inc.	BUY	158.90	Ordinary	174	174
7-May-2021	The Vanguard Group, Inc.	BUY	158.90	Ordinary	364	364
7-May-2021	The Vanguard Group, Inc.	SELL	158.45	Ordinary	(545)	(545)
7-May-2021	The Vanguard Group, Inc.	BUY	158.45	Ordinary	28	28
10-May-2021	The Vanguard Group, Inc.	BUY	156.78	Ordinary	2,464	2,464
10-May-2021	The Vanguard Group, Inc.	BUY	158.21	Ordinary	184	184
11-May-2021	The Vanguard Group, Inc.	BUY	157.52	Ordinary	3,566	3,566
11-May-2021	The Vanguard Group, Inc.	BUY	155.09	Ordinary	364	364
11-May-2021	The Vanguard Group, Inc.	BUY	157.52	Ordinary	2,704	2,704
12-May-2021	The Vanguard Group, Inc.	BUY	153.50	Ordinary	464	464
12-May-2021	The Vanguard Group, Inc.	BUY	154.26	Ordinary	223	223
12-May-2021	The Vanguard Group, Inc.	BUY	154.50	Ordinary	36	36
13-May-2021	The Vanguard Group, Inc.	SELL	156.11	Ordinary	(3,311)	(3,311)
14-May-2021	The Vanguard Group, Inc.	BUY	159.52	Ordinary	696	696
14-May-2021	The Vanguard Group, Inc.	BUY	158.34	Ordinary	167	167
14-May-2021	The Vanguard Group, Inc.	BUY	156.26	Ordinary	39	39
14-May-2021	The Vanguard Group, Inc.	BUY	158.34	Ordinary	1,666	1,666
14-May-2021	The Vanguard Group, Inc.	BUY	158.34	Ordinary	5,175	5,175
17-May-2021	The Vanguard Group, Inc.	BUY	150.86	Ordinary	896	896
17-May-2021	The Vanguard Group, Inc.	BUY	150.59	Ordinary	167	167
17-May-2021	The Vanguard Group, Inc.	BUY	150.59	Ordinary	121	121
17-May-2021	The Vanguard Group, Inc.	SELL	154.12	Ordinary	(3,170)	(3,170)
17-May-2021	The Vanguard Group, Inc.	BUY	150.59	Ordinary	37	37
18-May-2021	The Vanguard Group, Inc.	BUY	152.41	Ordinary	672	672
18-May-2021	The Vanguard Group, Inc.	BUY	152.41	Ordinary	348	348
18-May-2021	The Vanguard Group, Inc.	BUY	152.41	Ordinary	174	174
18-May-2021	The Vanguard Group, Inc.	BUY	152.41	Ordinary	552	552
18-May-2021	The Vanguard Group, Inc.	BUY	149.59	Ordinary	712	712
18-May-2021	The Vanguard Group, Inc.	BUY	154.13	Ordinary	121	121
18-May-2021	The Vanguard Group, Inc.	BUY	154.13	Ordinary	2,694	2,694
19-May-2021	The Vanguard Group, Inc.	BUY	150.11	Ordinary	2,112	2,112
19-May-2021	The Vanguard Group, Inc.	BUY	150.05	Ordinary	3,604	3,604
19-May-2021	The Vanguard Group, Inc.	BUY	150.11	Ordinary	5,632	5,632
19-May-2021	The Vanguard Group, Inc.	BUY	149.97	Ordinary	168	168
20-May-2021	The Vanguard Group, Inc.	BUY	151.13	Ordinary	1,036	1,036

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20-May-2021	The Vanguard Group, Inc.	BUY	151.13	Ordinary	368	368
20-May-2021	The Vanguard Group, Inc.	BUY	150.36	Ordinary	307	307
20-May-2021	The Vanguard Group, Inc.	BUY	150.36	Ordinary	161	161
24-May-2021	The Vanguard Group, Inc.	BUY	149.54	Ordinary	1,610	1,610
24-May-2021	The Vanguard Group, Inc.	SELL	149.59	Ordinary	(54)	(54)
24-May-2021	The Vanguard Group, Inc.	BUY	149.17	Ordinary	122	122
24-May-2021	The Vanguard Group, Inc.	BUY	149.17	Ordinary	232	232
25-May-2021	The Vanguard Group, Inc.	BUY	148.50	Ordinary	3,422	3,422
25-May-2021	The Vanguard Group, Inc.	BUY	152.92	Ordinary	85	85
26-May-2021	The Vanguard Group, Inc.	BUY	152.59	Ordinary	896	896
27-May-2021	The Vanguard Group, Inc.	BUY	151.77	Ordinary	312	312
27-May-2021	The Vanguard Group, Inc.	BUY	151.92	Ordinary	1,608	1,608
27-May-2021	The Vanguard Group, Inc.	SELL	151.80	Ordinary	(3,540)	(3,540)
27-May-2021	The Vanguard Group, Inc.	BUY	151.77	Ordinary	877	877
1-Jun-2021	The Vanguard Group, Inc.	BUY	150.59	Ordinary	174	174
1-Jun-2021	The Vanguard Group, Inc.	BUY	150.59	Ordinary	368	368
1-Jun-2021	The Vanguard Group, Inc.	BUY	150.38	Ordinary	618	618
1-Jun-2021	The Vanguard Group, Inc.	BUY	150.38	Ordinary	161	161
2-Jun-2021	The Vanguard Group, Inc.	BUY	151.99	Ordinary	420	420
2-Jun-2021	The Vanguard Group, Inc.	BUY	151.99	Ordinary	83	83
2-Jun-2021	The Vanguard Group, Inc.	BUY	150.65	Ordinary	3,119	3,119
2-Jun-2021	The Vanguard Group, Inc.	SELL	151.83	Ordinary	(1,250)	(1,250)
2-Jun-2021	The Vanguard Group, Inc.	BUY	151.99	Ordinary	316	316
2-Jun-2021	The Vanguard Group, Inc.	BUY	150.65	Ordinary	2,841	2,841
2-Jun-2021	The Vanguard Group, Inc.	BUY	151.99	Ordinary	6,615	6,615
2-Jun-2021	The Vanguard Group, Inc.	BUY	150.65	Ordinary	671	671
3-Jun-2021	The Vanguard Group, Inc.	BUY	152.67	Ordinary	2,464	2,464
3-Jun-2021	The Vanguard Group, Inc.	BUY	152.67	Ordinary	174	174
3-Jun-2021	The Vanguard Group, Inc.	BUY	152.44	Ordinary	279	279
3-Jun-2021	The Vanguard Group, Inc.	BUY	151.15	Ordinary	70	70
8-Jun-2021	The Vanguard Group, Inc.	BUY	153.42	Ordinary	372	372
8-Jun-2021	The Vanguard Group, Inc.	BUY	153.42	Ordinary	160	160
8-Jun-2021	The Vanguard Group, Inc.	BUY	152.88	Ordinary	308	308
9-Jun-2021	The Vanguard Group, Inc.	BUY	151.28	Ordinary	368	368
9-Jun-2021	The Vanguard Group, Inc.	BUY	151.41	Ordinary	20	20
15-Jun-2021	The Vanguard Group, Inc.	BUY	153.72	Ordinary	1,305	1,305
15-Jun-2021	The Vanguard Group, Inc.	BUY	153.98	Ordinary	348	348
15-Jun-2021	The Vanguard Group, Inc.	BUY	153.88	Ordinary	234	234
15-Jun-2021	The Vanguard Group, Inc.	BUY	153.88	Ordinary	156	156
15-Jun-2021	The Vanguard Group, Inc.	SELL	152.26	Ordinary	(2,809)	(2,809)
16-Jun-2021	The Vanguard Group, Inc.	BUY	155.30	Ordinary	1,408	1,408
16-Jun-2021	The Vanguard Group, Inc.	BUY	155.30	Ordinary	368	368
17-Jun-2021	The Vanguard Group, Inc.	BUY	154.75	Ordinary	220	220
17-Jun-2021	The Vanguard Group, Inc.	BUY	154.75	Ordinary	3,520	3,520
18-Jun-2021	The Vanguard Group, Inc.	SELL	154.30	Ordinary	(4,821)	(4,821)
18-Jun-2021	The Vanguard Group, Inc.	SELL	154.30	Ordinary	(1,396)	(1,396)
18-Jun-2021	The Vanguard Group, Inc.	SELL	154.30	Ordinary	(6,791)	(6,791)
18-Jun-2021	The Vanguard Group, Inc.	SELL	154.30	Ordinary	(44,029)	(44,029)
18-Jun-2021	The Vanguard Group, Inc.	SELL	154.30	Ordinary	(6,377)	(6,377)
18-Jun-2021	The Vanguard Group, Inc.	SELL	154.30	Ordinary	(143)	(143)
18-Jun-2021	The Vanguard Group, Inc.	BUY	154.26	Ordinary	21	21
18-Jun-2021	The Vanguard Group, Inc.	SELL	154.30	Ordinary	(290)	(290)
18-Jun-2021	The Vanguard Group, Inc.	SELL	154.30	Ordinary	(171)	(171)
21-Jun-2021	The Vanguard Group, Inc.	BUY	152.00	Ordinary	186	186
22-Jun-2021	The Vanguard Group, Inc.	BUY	153.72	Ordinary	315	315
22-Jun-2021	The Vanguard Group, Inc.	BUY	153.72	Ordinary	840	840
22-Jun-2021	The Vanguard Group, Inc.	BUY	153.72	Ordinary	2,082	2,082
22-Jun-2021	The Vanguard Group, Inc.	BUY	153.56	Ordinary	411	411
22-Jun-2021	The Vanguard Group, Inc.	BUY	153.56	Ordinary	159	159
23-Jun-2021	The Vanguard Group, Inc.	BUY	153.02	Ordinary	315	315
23-Jun-2021	The Vanguard Group, Inc.	BUY	153.02	Ordinary	174	174
23-Jun-2021	The Vanguard Group, Inc.	BUY	153.40	Ordinary	328	328
23-Jun-2021	The Vanguard Group, Inc.	BUY	153.68	Ordinary	385	385
24-Jun-2021	The Vanguard Group, Inc.	BUY	153.48	Ordinary	2,776	2,776
16-Oct-2019	Vanguard Investments Australia Ltd.	BUY	134.27	Ordinary	50,492	50,492
17-Oct-2019	Vanguard Investments Australia Ltd.	BUY	133.65	Ordinary	938	938
17-Oct-2019	Vanguard Investments Australia Ltd.	BUY	133.65	Ordinary	310	310
17-Oct-2019	Vanguard Investments Australia Ltd.	BUY	133.65	Ordinary	1,312	1,312

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18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	133.82	Ordinary	984	984
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	133.82	Ordinary	2,890	2,890
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	134.01	Ordinary	9,052	9,052
21-Oct-2019	Vanguard Investments Australia Ltd.	BUY	132.71	Ordinary	3,307	3,307
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	132.89	Ordinary	2,880	2,880
23-Oct-2019	Vanguard Investments Australia Ltd.	BUY	132.01	Ordinary	1,459	1,459
23-Oct-2019	Vanguard Investments Australia Ltd.	BUY	132.01	Ordinary	3,385	3,385
24-Oct-2019	Vanguard Investments Australia Ltd.	SELL	133.87	Ordinary	(712)	(712)
28-Oct-2019	Vanguard Investments Australia Ltd.	BUY	135.39	Ordinary	2,870	2,870
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	133.95	Ordinary	10,211	10,211
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	133.95	Ordinary	984	984
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	133.95	Ordinary	1,312	1,312
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	133.89	Ordinary	10,329	10,329
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	133.92	Ordinary	4,293	4,293
31-Oct-2019	Vanguard Investments Australia Ltd.	SELL	133.92	Ordinary	(672)	(672)
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	133.92	Ordinary	6,864	6,864
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	134.02	Ordinary	9,514	9,514
31-Oct-2019	Vanguard Investments Australia Ltd.	SELL	133.92	Ordinary	(3,432)	(3,432)
1-Nov-2019	Vanguard Investments Australia Ltd.	SELL	134.38	Ordinary	(7,252)	(7,252)
1-Nov-2019	Vanguard Investments Australia Ltd.	SELL	134.31	Ordinary	(38,521)	(38,521)
1-Nov-2019	Vanguard Investments Australia Ltd.	BUY	134.38	Ordinary	1,312	1,312
1-Nov-2019	Vanguard Investments Australia Ltd.	BUY	134.38	Ordinary	984	984
1-Nov-2019	Vanguard Investments Australia Ltd.	BUY	134.38	Ordinary	5,128	5,128
4-Nov-2019	Vanguard Investments Australia Ltd.	SELL	134.59	Ordinary	(51,407)	(51,407)
4-Nov-2019	Vanguard Investments Australia Ltd.	BUY	134.60	Ordinary	7,144	7,144
5-Nov-2019	Vanguard Investments Australia Ltd.	SELL	136.27	Ordinary	(12,327)	(12,327)
5-Nov-2019	Vanguard Investments Australia Ltd.	SELL	136.27	Ordinary	(838)	(838)
5-Nov-2019	Vanguard Investments Australia Ltd.	BUY	136.27	Ordinary	1,312	1,312
5-Nov-2019	Vanguard Investments Australia Ltd.	BUY	136.27	Ordinary	3,420	3,420
7-Nov-2019	Vanguard Investments Australia Ltd.	SELL	136.61	Ordinary	(5,976)	(5,976)
7-Nov-2019	Vanguard Investments Australia Ltd.	SELL	136.61	Ordinary	(2,805)	(2,805)
7-Nov-2019	Vanguard Investments Australia Ltd.	BUY	136.61	Ordinary	1,308	1,308
7-Nov-2019	Vanguard Investments Australia Ltd.	BUY	136.61	Ordinary	2,184	2,184
11-Nov-2019	Vanguard Investments Australia Ltd.	SELL	136.24	Ordinary	(944)	(944)
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	136.23	Ordinary	7,952	7,952
12-Nov-2019	Vanguard Investments Australia Ltd.	SELL	136.72	Ordinary	(1,450)	(1,450)
12-Nov-2019	Vanguard Investments Australia Ltd.	BUY	136.72	Ordinary	987	987
12-Nov-2019	Vanguard Investments Australia Ltd.	BUY	136.72	Ordinary	3,157	3,157
13-Nov-2019	Vanguard Investments Australia Ltd.	BUY	136.35	Ordinary	2,613	2,613
13-Nov-2019	Vanguard Investments Australia Ltd.	BUY	136.35	Ordinary	861	861
14-Nov-2019	Vanguard Investments Australia Ltd.	BUY	136.89	Ordinary	6,863	6,863
14-Nov-2019	Vanguard Investments Australia Ltd.	BUY	136.89	Ordinary	770	770
15-Nov-2019	Vanguard Investments Australia Ltd.	BUY	137.96	Ordinary	1,316	1,316
19-Nov-2019	Vanguard Investments Australia Ltd.	SELL	137.81	Ordinary	(528)	(528)
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	137.81	Ordinary	3,731	3,731
20-Nov-2019	Vanguard Investments Australia Ltd.	SELL	135.03	Ordinary	(24,078)	(24,078)
20-Nov-2019	Vanguard Investments Australia Ltd.	BUY	135.03	Ordinary	2,009	2,009
21-Nov-2019	Vanguard Investments Australia Ltd.	SELL	134.42	Ordinary	(1,148)	(1,148)
21-Nov-2019	Vanguard Investments Australia Ltd.	BUY	134.42	Ordinary	1,320	1,320
21-Nov-2019	Vanguard Investments Australia Ltd.	BUY	134.42	Ordinary	6,006	6,006
22-Nov-2019	Vanguard Investments Australia Ltd.	BUY	134.88	Ordinary	1,155	1,155
22-Nov-2019	Vanguard Investments Australia Ltd.	BUY	134.88	Ordinary	990	990
22-Nov-2019	Vanguard Investments Australia Ltd.	BUY	134.88	Ordinary	7,196	7,196
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	135.30	Ordinary	6,036	6,036
26-Nov-2019	Vanguard Investments Australia Ltd.	SELL	136.30	Ordinary	(3,189)	(3,189)
26-Nov-2019	Vanguard Investments Australia Ltd.	SELL	136.30	Ordinary	(113)	(113)
27-Nov-2019	Vanguard Investments Australia Ltd.	BUY	137.36	Ordinary	6,429	6,429
28-Nov-2019	Vanguard Investments Australia Ltd.	BUY	138.05	Ordinary	990	990
29-Nov-2019	Vanguard Investments Australia Ltd.	BUY	138.05	Ordinary	1,938	1,938
29-Nov-2019	Vanguard Investments Australia Ltd.	BUY	138.05	Ordinary	3,420	3,420
2-Dec-2019	Vanguard Investments Australia Ltd.	BUY	138.16	Ordinary	15,493	15,493
3-Dec-2019	Vanguard Investments Australia Ltd.	BUY	134.77	Ordinary	1,980	1,980
3-Dec-2019	Vanguard Investments Australia Ltd.	BUY	134.77	Ordinary	4,474	4,474
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	132.50	Ordinary	1,645	1,645
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	132.50	Ordinary	6,270	6,270
5-Dec-2019	Vanguard Investments Australia Ltd.	BUY	133.56	Ordinary	4,813	4,813
6-Dec-2019	Vanguard Investments Australia Ltd.	SELL	135.10	Ordinary	(94,752)	(94,752)
6-Dec-2019	Vanguard Investments Australia Ltd.	BUY	135.10	Ordinary	942	942

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6-Dec-2019	Vanguard Investments Australia Ltd.	BUY	135.10	Ordinary	94,752	94,752
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	135.73	Ordinary	1,152	1,152
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	135.73	Ordinary	1,320	1,320
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	135.73	Ordinary	3,408	3,408
11-Dec-2019	Vanguard Investments Australia Ltd.	BUY	135.50	Ordinary	7,258	7,258
11-Dec-2019	Vanguard Investments Australia Ltd.	BUY	135.50	Ordinary	5,463	5,463
12-Dec-2019	Vanguard Investments Australia Ltd.	SELL	134.12	Ordinary	(233)	(233)
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	136.31	Ordinary	1,320	1,320
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	136.31	Ordinary	2,840	2,840
18-Dec-2019	Vanguard Investments Australia Ltd.	SELL	137.76	Ordinary	(1,920)	(1,920)
18-Dec-2019	Vanguard Investments Australia Ltd.	BUY	137.76	Ordinary	3,976	3,976
18-Dec-2019	Vanguard Investments Australia Ltd.	BUY	137.62	Ordinary	8,806	8,806
19-Dec-2019	Vanguard Investments Australia Ltd.	BUY	139.70	Ordinary	3,986	3,986
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	140.19	Ordinary	798	798
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	140.19	Ordinary	524	524
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	140.19	Ordinary	39,797	39,797
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	140.25	Ordinary	1,316	1,316
27-Dec-2019	Vanguard Investments Australia Ltd.	BUY	140.23	Ordinary	1,047	1,047
30-Dec-2019	Vanguard Investments Australia Ltd.	BUY	139.07	Ordinary	2,280	2,280
30-Dec-2019	Vanguard Investments Australia Ltd.	BUY	138.59	Ordinary	6,000	6,000
31-Dec-2019	Vanguard Investments Australia Ltd.	BUY	137.85	Ordinary	5,565	5,565
31-Dec-2019	Vanguard Investments Australia Ltd.	SELL	137.85	Ordinary	(503)	(503)
31-Dec-2019	Vanguard Investments Australia Ltd.	BUY	137.85	Ordinary	1,425	1,425
2-Jan-2020	Vanguard Investments Australia Ltd.	BUY	137.53	Ordinary	1,384	1,384
2-Jan-2020	Vanguard Investments Australia Ltd.	BUY	137.53	Ordinary	3,396	3,396
3-Jan-2020	Vanguard Investments Australia Ltd.	SELL	138.37	Ordinary	(21,266)	(21,266)
3-Jan-2020	Vanguard Investments Australia Ltd.	BUY	138.37	Ordinary	826	826
6-Jan-2020	Vanguard Investments Australia Ltd.	BUY	137.22	Ordinary	1,656	1,656
7-Jan-2020	Vanguard Investments Australia Ltd.	BUY	139.51	Ordinary	1,692	1,692
7-Jan-2020	Vanguard Investments Australia Ltd.	BUY	139.64	Ordinary	6,328	6,328
8-Jan-2020	Vanguard Investments Australia Ltd.	BUY	138.50	Ordinary	4,230	4,230
9-Jan-2020	Vanguard Investments Australia Ltd.	SELL	139.13	Ordinary	(2,256)	(2,256)
13-Jan-2020	Vanguard Investments Australia Ltd.	BUY	139.50	Ordinary	4,230	4,230
14-Jan-2020	Vanguard Investments Australia Ltd.	BUY	141.14	Ordinary	2,503	2,503
14-Jan-2020	Vanguard Investments Australia Ltd.	BUY	141.13	Ordinary	1,524	1,524
14-Jan-2020	Vanguard Investments Australia Ltd.	SELL	141.13	Ordinary	(1,524)	(1,524)
15-Jan-2020	Vanguard Investments Australia Ltd.	SELL	141.51	Ordinary	(6,013)	(6,013)
15-Jan-2020	Vanguard Investments Australia Ltd.	BUY	141.37	Ordinary	6,698	6,698
16-Jan-2020	Vanguard Investments Australia Ltd.	BUY	143.47	Ordinary	1,621	1,621
17-Jan-2020	Vanguard Investments Australia Ltd.	BUY	144.14	Ordinary	1,038	1,038
21-Jan-2020	Vanguard Investments Australia Ltd.	SELL	144.01	Ordinary	(2,623)	(2,623)
21-Jan-2020	Vanguard Investments Australia Ltd.	BUY	144.01	Ordinary	4,245	4,245
23-Jan-2020	Vanguard Investments Australia Ltd.	BUY	145.00	Ordinary	1,035	1,035
29-Jan-2020	Vanguard Investments Australia Ltd.	BUY	144.60	Ordinary	1,380	1,380
30-Jan-2020	Vanguard Investments Australia Ltd.	BUY	145.72	Ordinary	4,245	4,245
31-Jan-2020	Vanguard Investments Australia Ltd.	BUY	145.50	Ordinary	4,032	4,032
3-Feb-2020	Vanguard Investments Australia Ltd.	SELL	141.85	Ordinary	(1,230)	(1,230)
3-Feb-2020	Vanguard Investments Australia Ltd.	SELL	141.75	Ordinary	(2,422)	(2,422)
5-Feb-2020	Vanguard Investments Australia Ltd.	BUY	144.67	Ordinary	381	381
7-Feb-2020	Vanguard Investments Australia Ltd.	BUY	146.96	Ordinary	2,830	2,830
10-Feb-2020	Vanguard Investments Australia Ltd.	BUY	146.34	Ordinary	5,896	5,896
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	145.53	Ordinary	5,660	5,660
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	145.37	Ordinary	10,943	10,943
12-Feb-2020	Vanguard Investments Australia Ltd.	SELL	148.26	Ordinary	(3,929)	(3,929)
13-Feb-2020	Vanguard Investments Australia Ltd.	SELL	149.31	Ordinary	(1,725)	(1,725)
17-Feb-2020	Vanguard Investments Australia Ltd.	SELL	148.72	Ordinary	(5,003)	(5,003)
17-Feb-2020	Vanguard Investments Australia Ltd.	SELL	148.39	Ordinary	(68)	(68)
17-Feb-2020	Vanguard Investments Australia Ltd.	SELL	148.72	Ordinary	(1,143)	(1,143)
17-Feb-2020	Vanguard Investments Australia Ltd.	SELL	148.72	Ordinary	(2,091)	(2,091)
18-Feb-2020	Vanguard Investments Australia Ltd.	BUY	149.14	Ordinary	381	381
19-Feb-2020	Vanguard Investments Australia Ltd.	BUY	150.78	Ordinary	638	638
19-Feb-2020	Vanguard Investments Australia Ltd.	BUY	150.78	Ordinary	105	105
26-Feb-2020	Vanguard Investments Australia Ltd.	SELL	142.25	Ordinary	(1,112)	(1,112)
26-Feb-2020	Vanguard Investments Australia Ltd.	BUY	141.29	Ordinary	4,544	4,544
27-Feb-2020	Vanguard Investments Australia Ltd.	BUY	139.42	Ordinary	22,573	22,573
28-Feb-2020	Vanguard Investments Australia Ltd.	BUY	134.77	Ordinary	5,804	5,804
28-Feb-2020	Vanguard Investments Australia Ltd.	SELL	134.83	Ordinary	(2,849)	(2,849)
28-Feb-2020	Vanguard Investments Australia Ltd.	SELL	134.83	Ordinary	(3,748)	(3,748)

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
28-Feb-2020	Vanguard Investments Australia Ltd.	BUY	134.77	Ordinary	1,029	1,029
28-Feb-2020	Vanguard Investments Australia Ltd.	BUY	134.83	Ordinary	4,260	4,260
2-Mar-2020	Vanguard Investments Australia Ltd.	SELL	134.00	Ordinary	(3,309)	(3,309)
3-Mar-2020	Vanguard Investments Australia Ltd.	BUY	135.96	Ordinary	1,044	1,044
3-Mar-2020	Vanguard Investments Australia Ltd.	BUY	135.96	Ordinary	7,695	7,695
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	132.94	Ordinary	3,811	3,811
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	132.94	Ordinary	77	77
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	132.94	Ordinary	1,392	1,392
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	132.94	Ordinary	4,845	4,845
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	137.53	Ordinary	1,219	1,219
5-Mar-2020	Vanguard Investments Australia Ltd.	SELL	137.53	Ordinary	(1,398)	(1,398)
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	137.53	Ordinary	220	220
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	137.53	Ordinary	2,553	2,553
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	137.53	Ordinary	2,268	2,268
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	137.53	Ordinary	1,400	1,400
6-Mar-2020	Vanguard Investments Australia Ltd.	SELL	131.93	Ordinary	(3,250)	(3,250)
9-Mar-2020	Vanguard Investments Australia Ltd.	SELL	121.50	Ordinary	(720)	(720)
9-Mar-2020	Vanguard Investments Australia Ltd.	SELL	121.50	Ordinary	(26)	(26)
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	121.50	Ordinary	324	324
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	121.50	Ordinary	2,100	2,100
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	121.50	Ordinary	1,750	1,750
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	121.50	Ordinary	10,045	10,045
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	121.50	Ordinary	12,505	12,505
10-Mar-2020	Vanguard Investments Australia Ltd.	SELL	126.55	Ordinary	(1,477)	(1,477)
10-Mar-2020	Vanguard Investments Australia Ltd.	BUY	126.55	Ordinary	8,288	8,288
10-Mar-2020	Vanguard Investments Australia Ltd.	BUY	126.55	Ordinary	15,608	15,608
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	124.23	Ordinary	1,458	1,458
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	120.90	Ordinary	2,100	2,100
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	120.90	Ordinary	3,150	3,150
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	120.90	Ordinary	7,175	7,175
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	120.90	Ordinary	5,740	5,740
12-Mar-2020	Vanguard Investments Australia Ltd.	SELL	111.78	Ordinary	(1,932)	(1,932)
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	111.78	Ordinary	401	401
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	111.78	Ordinary	1,400	1,400
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	111.78	Ordinary	8,640	8,640
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	111.78	Ordinary	4,896	4,896
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	111.78	Ordinary	31,640	31,640
12-Mar-2020	Vanguard Investments Australia Ltd.	SELL	116.48	Ordinary	(3,400)	(3,400)
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	116.48	Ordinary	(780)	(780)
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	116.48	Ordinary	(262)	(262)
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	116.48	Ordinary	12,319	12,319
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	116.48	Ordinary	(4,695)	(4,695)
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	116.48	Ordinary	3,168	3,168
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	116.48	Ordinary	2,808	2,808
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	116.48	Ordinary	8,640	8,640
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	116.48	Ordinary	19,193	19,193
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	116.48	Ordinary	(845)	(845)
16-Mar-2020	Vanguard Investments Australia Ltd.	SELL	102.50	Ordinary	(3,091)	(3,091)
16-Mar-2020	Vanguard Investments Australia Ltd.	BUY	102.50	Ordinary	10,080	10,080
17-Mar-2020	Vanguard Investments Australia Ltd.	SELL	104.49	Ordinary	(4,544)	(4,544)
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	98.85	Ordinary	1,360	1,360
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	104.49	Ordinary	401	401
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	104.49	Ordinary	1,925	1,925
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	104.49	Ordinary	2,808	2,808
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	104.49	Ordinary	2,106	2,106
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	104.49	Ordinary	7,225	7,225
18-Mar-2020	Vanguard Investments Australia Ltd.	SELL	91.05	Ordinary	(5,521)	(5,521)
18-Mar-2020	Vanguard Investments Australia Ltd.	SELL	91.05	Ordinary	(1,950)	(1,950)
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	91.05	Ordinary	8,670	8,670
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	91.05	Ordinary	12,752	12,752
19-Mar-2020	Vanguard Investments Australia Ltd.	SELL	79.30	Ordinary	(1,341)	(1,341)
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	77.66	Ordinary	215	215
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	79.30	Ordinary	1,053	1,053
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	79.30	Ordinary	6,670	6,670
20-Mar-2020	Vanguard Investments Australia Ltd.	SELL	85.06	Ordinary	(459)	(459)
20-Mar-2020	Vanguard Investments Australia Ltd.	SELL	85.06	Ordinary	(1,339)	(1,339)
20-Mar-2020	Vanguard Investments Australia Ltd.	SELL	85.06	Ordinary	(2,820)	(2,820)
20-Mar-2020	Vanguard Investments Australia Ltd.	BUY	85.06	Ordinary	8,959	8,959

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
23-Mar-2020	Vanguard Investments Australia Ltd.	BUY	72.02	Ordinary	4,060	4,060
24-Mar-2020	Vanguard Investments Australia Ltd.	BUY	79.90	Ordinary	1,806	1,806
26-Mar-2020	Vanguard Investments Australia Ltd.	BUY	85.15	Ordinary	4,365	4,365
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.69	Ordinary	4,909	4,909
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.91	Ordinary	6	6
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.69	Ordinary	1,224	1,224
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.91	Ordinary	2	2
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.69	Ordinary	10,196	10,196
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.91	Ordinary	13	13
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.69	Ordinary	1,198	1,198
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.91	Ordinary	2	2
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.69	Ordinary	665	665
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.91	Ordinary	1	1
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.69	Ordinary	2,464	2,464
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.91	Ordinary	3	3
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.69	Ordinary	10,287	10,287
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.91	Ordinary	14	14
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.69	Ordinary	12,721	12,721
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.91	Ordinary	17	17
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.01	Ordinary	7,300	7,300
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.69	Ordinary	17,415	17,415
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.91	Ordinary	23	23
27-Mar-2020	Vanguard Investments Australia Ltd.	SELL	80.01	Ordinary	(7,884)	(7,884)
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.69	Ordinary	1,222	1,222
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.91	Ordinary	2	2
30-Mar-2020	Vanguard Investments Australia Ltd.	BUY	85.65	Ordinary	44,141	44,141
31-Mar-2020	Vanguard Investments Australia Ltd.	SELL	85.75	Ordinary	(29,649)	(29,649)
31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	85.75	Ordinary	800	800
31-Mar-2020	Vanguard Investments Australia Ltd.	SELL	85.75	Ordinary	(352)	(352)
31-Mar-2020	Vanguard Investments Australia Ltd.	SELL	85.75	Ordinary	(8,355)	(8,355)
31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	85.75	Ordinary	5,840	5,840
1-Apr-2020	Vanguard Investments Australia Ltd.	BUY	89.34	Ordinary	1,367	1,367
1-Apr-2020	Vanguard Investments Australia Ltd.	BUY	89.34	Ordinary	92	92
1-Apr-2020	Vanguard Investments Australia Ltd.	BUY	89.34	Ordinary	3,757	3,757
2-Apr-2020	Vanguard Investments Australia Ltd.	SELL	88.06	Ordinary	(114)	(114)
2-Apr-2020	Vanguard Investments Australia Ltd.	BUY	88.06	Ordinary	1,380	1,380
2-Apr-2020	Vanguard Investments Australia Ltd.	BUY	88.06	Ordinary	4,350	4,350
3-Apr-2020	Vanguard Investments Australia Ltd.	SELL	84.30	Ordinary	(2,436)	(2,436)
3-Apr-2020	Vanguard Investments Australia Ltd.	SELL	84.30	Ordinary	(2,353)	(2,353)
3-Apr-2020	Vanguard Investments Australia Ltd.	BUY	84.30	Ordinary	2,376	2,376
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	92.45	Ordinary	1,161	1,161
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	92.45	Ordinary	1,380	1,380
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	92.45	Ordinary	10,080	10,080
8-Apr-2020	Vanguard Investments Australia Ltd.	BUY	92.89	Ordinary	4,254	4,254
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	98.05	Ordinary	3,221	3,221
9-Apr-2020	Vanguard Investments Australia Ltd.	SELL	99.50	Ordinary	(17,273)	(17,273)
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	99.50	Ordinary	788	788
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	99.50	Ordinary	1,380	1,380
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	99.50	Ordinary	9,792	9,792
14-Apr-2020	Vanguard Investments Australia Ltd.	SELL	101.81	Ordinary	(16,033)	(16,033)
15-Apr-2020	Vanguard Investments Australia Ltd.	BUY	100.96	Ordinary	5,760	5,760
20-Apr-2020	Vanguard Investments Australia Ltd.	SELL	100.17	Ordinary	(681)	(681)
20-Apr-2020	Vanguard Investments Australia Ltd.	SELL	100.17	Ordinary	(91)	(91)
20-Apr-2020	Vanguard Investments Australia Ltd.	BUY	100.17	Ordinary	1,376	1,376
20-Apr-2020	Vanguard Investments Australia Ltd.	BUY	100.17	Ordinary	1,032	1,032
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	99.38	Ordinary	1,157	1,157
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	98.40	Ordinary	4,879	4,879
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	98.40	Ordinary	5,740	5,740
22-Apr-2020	Vanguard Investments Australia Ltd.	SELL	97.94	Ordinary	(34,350)	(34,350)
22-Apr-2020	Vanguard Investments Australia Ltd.	BUY	97.90	Ordinary	1,376	1,376
23-Apr-2020	Vanguard Investments Australia Ltd.	SELL	96.96	Ordinary	(36,549)	(36,549)
23-Apr-2020	Vanguard Investments Australia Ltd.	BUY	96.96	Ordinary	1,561	1,561
23-Apr-2020	Vanguard Investments Australia Ltd.	BUY	96.96	Ordinary	1,376	1,376
23-Apr-2020	Vanguard Investments Australia Ltd.	BUY	96.96	Ordinary	4,305	4,305
24-Apr-2020	Vanguard Investments Australia Ltd.	SELL	95.01	Ordinary	(3,450)	(3,450)
28-Apr-2020	Vanguard Investments Australia Ltd.	SELL	97.74	Ordinary	(2,676)	(2,676)
28-Apr-2020	Vanguard Investments Australia Ltd.	SELL	97.74	Ordinary	(152)	(152)
28-Apr-2020	Vanguard Investments Australia Ltd.	SELL	97.74	Ordinary	(89)	(89)

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
28-Apr-2020	Vanguard Investments Australia Ltd.	BUY	97.74	Ordinary	1,376	1,376
28-Apr-2020	Vanguard Investments Australia Ltd.	BUY	97.74	Ordinary	5,148	5,148
29-Apr-2020	Vanguard Investments Australia Ltd.	SELL	100.10	Ordinary	(1,836)	(1,836)
29-Apr-2020	Vanguard Investments Australia Ltd.	SELL	100.10	Ordinary	(193)	(193)
30-Apr-2020	Vanguard Investments Australia Ltd.	SELL	102.66	Ordinary	(1,599)	(1,599)
30-Apr-2020	Vanguard Investments Australia Ltd.	SELL	102.66	Ordinary	(4,557)	(4,557)
1-May-2020	Vanguard Investments Australia Ltd.	SELL	96.92	Ordinary	(3,232)	(3,232)
1-May-2020	Vanguard Investments Australia Ltd.	SELL	96.92	Ordinary	(1,050)	(1,050)
1-May-2020	Vanguard Investments Australia Ltd.	BUY	96.92	Ordinary	100	100
1-May-2020	Vanguard Investments Australia Ltd.	SELL	96.92	Ordinary	(177)	(177)
1-May-2020	Vanguard Investments Australia Ltd.	BUY	96.92	Ordinary	4,305	4,305
1-May-2020	Vanguard Investments Australia Ltd.	BUY	96.92	Ordinary	5,740	5,740
4-May-2020	Vanguard Investments Australia Ltd.	BUY	97.23	Ordinary	1,372	1,372
4-May-2020	Vanguard Investments Australia Ltd.	BUY	97.23	Ordinary	8,036	8,036
5-May-2020	Vanguard Investments Australia Ltd.	SELL	100.24	Ordinary	(1,521)	(1,521)
5-May-2020	Vanguard Investments Australia Ltd.	SELL	100.24	Ordinary	(613)	(613)
5-May-2020	Vanguard Investments Australia Ltd.	SELL	100.24	Ordinary	(1,546)	(1,546)
5-May-2020	Vanguard Investments Australia Ltd.	SELL	100.24	Ordinary	(477)	(477)
6-May-2020	Vanguard Investments Australia Ltd.	BUY	99.45	Ordinary	1,372	1,372
8-May-2020	Vanguard Investments Australia Ltd.	BUY	105.19	Ordinary	286	286
12-May-2020	Vanguard Investments Australia Ltd.	BUY	107.01	Ordinary	391	391
12-May-2020	Vanguard Investments Australia Ltd.	BUY	107.01	Ordinary	1,372	1,372
12-May-2020	Vanguard Investments Australia Ltd.	BUY	107.01	Ordinary	4,018	4,018
13-May-2020	Vanguard Investments Australia Ltd.	BUY	106.39	Ordinary	4,305	4,305
15-May-2020	Vanguard Investments Australia Ltd.	BUY	105.08	Ordinary	782	782
19-May-2020	Vanguard Investments Australia Ltd.	BUY	105.81	Ordinary	5,760	5,760
20-May-2020	Vanguard Investments Australia Ltd.	BUY	104.66	Ordinary	4,608	4,608
22-May-2020	Vanguard Investments Australia Ltd.	BUY	102.62	Ordinary	5,145	5,145
22-May-2020	Vanguard Investments Australia Ltd.	BUY	102.62	Ordinary	3,444	3,444
25-May-2020	Vanguard Investments Australia Ltd.	BUY	106.17	Ordinary	846	846
25-May-2020	Vanguard Investments Australia Ltd.	BUY	106.17	Ordinary	1,372	1,372
25-May-2020	Vanguard Investments Australia Ltd.	BUY	106.17	Ordinary	2,870	2,870
26-May-2020	Vanguard Investments Australia Ltd.	SELL	108.71	Ordinary	(2,030)	(2,030)
26-May-2020	Vanguard Investments Australia Ltd.	BUY	108.63	Ordinary	35,749	35,749
26-May-2020	Vanguard Investments Australia Ltd.	BUY	108.71	Ordinary	4,305	4,305
27-May-2020	Vanguard Investments Australia Ltd.	SELL	110.95	Ordinary	(1,400)	(1,400)
27-May-2020	Vanguard Investments Australia Ltd.	BUY	110.95	Ordinary	34,813	34,813
28-May-2020	Vanguard Investments Australia Ltd.	SELL	112.71	Ordinary	(56)	(56)
28-May-2020	Vanguard Investments Australia Ltd.	SELL	112.71	Ordinary	(250)	(250)
28-May-2020	Vanguard Investments Australia Ltd.	BUY	112.71	Ordinary	782	782
28-May-2020	Vanguard Investments Australia Ltd.	SELL	112.71	Ordinary	(15,406)	(15,406)
29-May-2020	Vanguard Investments Australia Ltd.	SELL	109.97	Ordinary	(1,179)	(1,179)
29-May-2020	Vanguard Investments Australia Ltd.	SELL	109.97	Ordinary	(3,003)	(3,003)
29-May-2020	Vanguard Investments Australia Ltd.	BUY	110.07	Ordinary	1,781	1,781
29-May-2020	Vanguard Investments Australia Ltd.	BUY	109.97	Ordinary	4,320	4,320
2-Jun-2020	Vanguard Investments Australia Ltd.	SELL	113.31	Ordinary	(1,083)	(1,083)
2-Jun-2020	Vanguard Investments Australia Ltd.	SELL	113.31	Ordinary	(1,447)	(1,447)
3-Jun-2020	Vanguard Investments Australia Ltd.	BUY	116.10	Ordinary	1,372	1,372
4-Jun-2020	Vanguard Investments Australia Ltd.	SELL	117.51	Ordinary	(7,640)	(7,640)
5-Jun-2020	Vanguard Investments Australia Ltd.	BUY	118.00	Ordinary	4,350	4,350
5-Jun-2020	Vanguard Investments Australia Ltd.	BUY	118.00	Ordinary	3,480	3,480
5-Jun-2020	Vanguard Investments Australia Ltd.	SELL	118.00	Ordinary	(5,616)	(5,616)
9-Jun-2020	Vanguard Investments Australia Ltd.	BUY	120.93	Ordinary	2,017	2,017
9-Jun-2020	Vanguard Investments Australia Ltd.	BUY	124.40	Ordinary	1,372	1,372
10-Jun-2020	Vanguard Investments Australia Ltd.	SELL	124.00	Ordinary	(991)	(991)
10-Jun-2020	Vanguard Investments Australia Ltd.	SELL	124.00	Ordinary	(7,408)	(7,408)
11-Jun-2020	Vanguard Investments Australia Ltd.	SELL	118.45	Ordinary	(460)	(460)
11-Jun-2020	Vanguard Investments Australia Ltd.	BUY	118.45	Ordinary	824	824
11-Jun-2020	Vanguard Investments Australia Ltd.	BUY	118.45	Ordinary	4,335	4,335
12-Jun-2020	Vanguard Investments Australia Ltd.	BUY	115.60	Ordinary	875	875
15-Jun-2020	Vanguard Investments Australia Ltd.	BUY	113.24	Ordinary	5,780	5,780
16-Jun-2020	Vanguard Investments Australia Ltd.	BUY	120.34	Ordinary	2,880	2,880
17-Jun-2020	Vanguard Investments Australia Ltd.	BUY	121.00	Ordinary	4,320	4,320
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	121.58	Ordinary	16,827	16,827
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	121.58	Ordinary	5,815	5,815
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	121.58	Ordinary	25,576	25,576
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	121.58	Ordinary	4,017	4,017
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	121.58	Ordinary	3,295	3,295

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-Jun-2020	Vanguard Investments Australia Ltd.	BUY	121.58	Ordinary	6,327	6,327
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	121.58	Ordinary	37,013	37,013
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	121.58	Ordinary	350	350
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	121.58	Ordinary	36,937	36,937
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	121.72	Ordinary	39,000	39,000
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	121.53	Ordinary	576	576
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	121.58	Ordinary	111,016	111,016
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	121.58	Ordinary	2,686	2,686
23-Jun-2020	Vanguard Investments Australia Ltd.	SELL	121.57	Ordinary	(5,032)	(5,032)
24-Jun-2020	Vanguard Investments Australia Ltd.	BUY	121.59	Ordinary	1,518	1,518
25-Jun-2020	Vanguard Investments Australia Ltd.	BUY	117.19	Ordinary	2,888	2,888
25-Jun-2020	Vanguard Investments Australia Ltd.	BUY	117.19	Ordinary	6,831	6,831
29-Jun-2020	Vanguard Investments Australia Ltd.	BUY	116.43	Ordinary	92	92
30-Jun-2020	Vanguard Investments Australia Ltd.	SELL	119.15	Ordinary	(2,115)	(2,115)
1-Jul-2020	Vanguard Investments Australia Ltd.	SELL	120.74	Ordinary	(2,336)	(2,336)
3-Jul-2020	Vanguard Investments Australia Ltd.	SELL	122.02	Ordinary	(1,479)	(1,479)
6-Jul-2020	Vanguard Investments Australia Ltd.	SELL	123.82	Ordinary	(87)	(87)
8-Jul-2020	Vanguard Investments Australia Ltd.	SELL	121.63	Ordinary	(217,856)	(217,856)
8-Jul-2020	Vanguard Investments Australia Ltd.	BUY	121.63	Ordinary	29,439	29,439
8-Jul-2020	Vanguard Investments Australia Ltd.	SELL	121.63	Ordinary	(29,439)	(29,439)
10-Jul-2020	Vanguard Investments Australia Ltd.	BUY	119.80	Ordinary	411	411
10-Jul-2020	Vanguard Investments Australia Ltd.	BUY	119.80	Ordinary	3,453	3,453
13-Jul-2020	Vanguard Investments Australia Ltd.	BUY	122.15	Ordinary	822	822
16-Jul-2020	Vanguard Investments Australia Ltd.	SELL	124.74	Ordinary	(1,233)	(1,233)
16-Jul-2020	Vanguard Investments Australia Ltd.	SELL	124.74	Ordinary	(1,800)	(1,800)
16-Jul-2020	Vanguard Investments Australia Ltd.	SELL	124.74	Ordinary	(2,691)	(2,691)
21-Jul-2020	Vanguard Investments Australia Ltd.	SELL	127.84	Ordinary	(804)	(804)
24-Jul-2020	Vanguard Investments Australia Ltd.	BUY	125.79	Ordinary	5,200	5,200
28-Jul-2020	Vanguard Investments Australia Ltd.	BUY	124.57	Ordinary	2,248	2,248
29-Jul-2020	Vanguard Investments Australia Ltd.	SELL	124.98	Ordinary	(5,564)	(5,564)
30-Jul-2020	Vanguard Investments Australia Ltd.	BUY	126.00	Ordinary	3,861	3,861
31-Jul-2020	Vanguard Investments Australia Ltd.	BUY	123.49	Ordinary	3,943	3,943
31-Jul-2020	Vanguard Investments Australia Ltd.	BUY	123.49	Ordinary	7,678	7,678
3-Aug-2020	Vanguard Investments Australia Ltd.	BUY	121.99	Ordinary	4,382	4,382
4-Aug-2020	Vanguard Investments Australia Ltd.	SELL	125.24	Ordinary	(845)	(845)
4-Aug-2020	Vanguard Investments Australia Ltd.	SELL	125.24	Ordinary	(820)	(820)
5-Aug-2020	Vanguard Investments Australia Ltd.	BUY	124.44	Ordinary	4,470	4,470
7-Aug-2020	Vanguard Investments Australia Ltd.	BUY	124.68	Ordinary	5,960	5,960
12-Aug-2020	Vanguard Investments Australia Ltd.	SELL	126.93	Ordinary	(551)	(551)
12-Aug-2020	Vanguard Investments Australia Ltd.	SELL	126.93	Ordinary	(22,367)	(22,367)
12-Aug-2020	Vanguard Investments Australia Ltd.	BUY	126.93	Ordinary	3,873	3,873
12-Aug-2020	Vanguard Investments Australia Ltd.	BUY	126.93	Ordinary	22,367	22,367
13-Aug-2020	Vanguard Investments Australia Ltd.	SELL	126.24	Ordinary	(143)	(143)
20-Aug-2020	Vanguard Investments Australia Ltd.	SELL	129.50	Ordinary	(6,202)	(6,202)
25-Aug-2020	Vanguard Investments Australia Ltd.	BUY	128.96	Ordinary	4,470	4,470
31-Aug-2020	Vanguard Investments Australia Ltd.	SELL	127.96	Ordinary	(595)	(595)
31-Aug-2020	Vanguard Investments Australia Ltd.	SELL	127.96	Ordinary	(3,486)	(3,486)
1-Sep-2020	Vanguard Investments Australia Ltd.	SELL	125.64	Ordinary	(4,611)	(4,611)
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	125.64	Ordinary	1,452	1,452
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	125.64	Ordinary	4,816	4,816
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	125.64	Ordinary	632	632
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	125.64	Ordinary	163,663	163,663
4-Sep-2020	Vanguard Investments Australia Ltd.	BUY	126.20	Ordinary	781	781
7-Sep-2020	Vanguard Investments Australia Ltd.	BUY	126.76	Ordinary	3,900	3,900
8-Sep-2020	Vanguard Investments Australia Ltd.	BUY	127.74	Ordinary	961	961
9-Sep-2020	Vanguard Investments Australia Ltd.	BUY	126.00	Ordinary	5,382	5,382
10-Sep-2020	Vanguard Investments Australia Ltd.	BUY	127.39	Ordinary	367	367
15-Sep-2020	Vanguard Investments Australia Ltd.	BUY	118.69	Ordinary	1,456	1,456
16-Sep-2020	Vanguard Investments Australia Ltd.	BUY	119.62	Ordinary	1,495	1,495
17-Sep-2020	Vanguard Investments Australia Ltd.	BUY	119.63	Ordinary	1,456	1,456
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	122.50	Ordinary	10,837	10,837
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	122.50	Ordinary	6,190	6,190
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	122.50	Ordinary	14,101	14,101
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	122.50	Ordinary	2,330	2,330
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	122.50	Ordinary	1,577	1,577
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	122.50	Ordinary	3,476	3,476
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	122.50	Ordinary	17,265	17,265
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	122.50	Ordinary	245	245

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18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	122.50	Ordinary	23,806	23,806
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	122.50	Ordinary	14,865	14,865
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	122.56	Ordinary	2,392	2,392
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	122.56	Ordinary	1,495	1,495
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	122.50	Ordinary	94,421	94,421
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	122.50	Ordinary	366	366
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	122.50	Ordinary	2,682	2,682
21-Sep-2020	Vanguard Investments Australia Ltd.	BUY	121.82	Ordinary	349	349
21-Sep-2020	Vanguard Investments Australia Ltd.	BUY	121.82	Ordinary	237	237
21-Sep-2020	Vanguard Investments Australia Ltd.	BUY	121.82	Ordinary	2,590	2,590
21-Sep-2020	Vanguard Investments Australia Ltd.	BUY	121.82	Ordinary	3,571	3,571
21-Sep-2020	Vanguard Investments Australia Ltd.	BUY	121.82	Ordinary	2,230	2,230
21-Sep-2020	Vanguard Investments Australia Ltd.	BUY	121.14	Ordinary	903	903
21-Sep-2020	Vanguard Investments Australia Ltd.	BUY	121.82	Ordinary	14,163	14,163
21-Sep-2020	Vanguard Investments Australia Ltd.	BUY	121.14	Ordinary	99	99
21-Sep-2020	Vanguard Investments Australia Ltd.	BUY	121.82	Ordinary	402	402
23-Sep-2020	Vanguard Investments Australia Ltd.	SELL	122.23	Ordinary	(2,406)	(2,406)
24-Sep-2020	Vanguard Investments Australia Ltd.	BUY	121.73	Ordinary	1,349	1,349
25-Sep-2020	Vanguard Investments Australia Ltd.	BUY	121.67	Ordinary	3,020	3,020
28-Sep-2020	Vanguard Investments Australia Ltd.	BUY	121.68	Ordinary	1,480	1,480
29-Sep-2020	Vanguard Investments Australia Ltd.	BUY	122.42	Ordinary	906	906
30-Sep-2020	Vanguard Investments Australia Ltd.	BUY	119.57	Ordinary	17,041	17,041
30-Sep-2020	Vanguard Investments Australia Ltd.	SELL	119.57	Ordinary	(5,908)	(5,908)
30-Sep-2020	Vanguard Investments Australia Ltd.	BUY	119.57	Ordinary	3,020	3,020
2-Oct-2020	Vanguard Investments Australia Ltd.	BUY	119.33	Ordinary	7,542	7,542
2-Oct-2020	Vanguard Investments Australia Ltd.	BUY	119.33	Ordinary	7,731	7,731
2-Oct-2020	Vanguard Investments Australia Ltd.	BUY	119.33	Ordinary	2,973	2,973
2-Oct-2020	Vanguard Investments Australia Ltd.	BUY	119.33	Ordinary	144	144
5-Oct-2020	Vanguard Investments Australia Ltd.	BUY	122.65	Ordinary	4,500	4,500
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	123.01	Ordinary	1,536	1,536
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	123.01	Ordinary	677	677
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	123.01	Ordinary	965	965
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	123.01	Ordinary	4,654	4,654
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	123.01	Ordinary	9,667	9,667
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	123.40	Ordinary	3,000	3,000
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	123.01	Ordinary	7,898	7,898
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	123.01	Ordinary	326	326
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	123.40	Ordinary	170	170
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	123.01	Ordinary	611	611
9-Oct-2020	Vanguard Investments Australia Ltd.	BUY	129.77	Ordinary	1,464	1,464
12-Oct-2020	Vanguard Investments Australia Ltd.	BUY	129.61	Ordinary	438	438
13-Oct-2020	Vanguard Investments Australia Ltd.	BUY	130.97	Ordinary	3,000	3,000
19-Oct-2020	Vanguard Investments Australia Ltd.	SELL	134.34	Ordinary	(20,100)	(20,100)
20-Oct-2020	Vanguard Investments Australia Ltd.	SELL	134.80	Ordinary	(7,251)	(7,251)
20-Oct-2020	Vanguard Investments Australia Ltd.	BUY	134.80	Ordinary	1,464	1,464
20-Oct-2020	Vanguard Investments Australia Ltd.	BUY	134.80	Ordinary	17,100	17,100
23-Oct-2020	Vanguard Investments Australia Ltd.	BUY	136.18	Ordinary	3,000	3,000
26-Oct-2020	Vanguard Investments Australia Ltd.	BUY	136.45	Ordinary	911	911
27-Oct-2020	Vanguard Investments Australia Ltd.	BUY	135.22	Ordinary	30,198	30,198
28-Oct-2020	Vanguard Investments Australia Ltd.	SELL	131.55	Ordinary	(5,074)	(5,074)
28-Oct-2020	Vanguard Investments Australia Ltd.	SELL	131.55	Ordinary	(7,377)	(7,377)
28-Oct-2020	Vanguard Investments Australia Ltd.	BUY	131.55	Ordinary	2,990	2,990
29-Oct-2020	Vanguard Investments Australia Ltd.	SELL	127.84	Ordinary	(3,467)	(3,467)
29-Oct-2020	Vanguard Investments Australia Ltd.	BUY	127.84	Ordinary	1,464	1,464
29-Oct-2020	Vanguard Investments Australia Ltd.	BUY	127.84	Ordinary	6,834	6,834
29-Oct-2020	Vanguard Investments Australia Ltd.	BUY	127.84	Ordinary	2,210	2,210
30-Oct-2020	Vanguard Investments Australia Ltd.	BUY	126.75	Ordinary	958	958
30-Oct-2020	Vanguard Investments Australia Ltd.	BUY	126.99	Ordinary	12,384	12,384
30-Oct-2020	Vanguard Investments Australia Ltd.	BUY	126.99	Ordinary	5,850	5,850
30-Oct-2020	Vanguard Investments Australia Ltd.	SELL	126.75	Ordinary	(1,186)	(1,186)
30-Oct-2020	Vanguard Investments Australia Ltd.	BUY	126.75	Ordinary	8,881	8,881
30-Oct-2020	Vanguard Investments Australia Ltd.	BUY	126.99	Ordinary	12,242	12,242
2-Nov-2020	Vanguard Investments Australia Ltd.	BUY	127.19	Ordinary	5,312	5,312
3-Nov-2020	Vanguard Investments Australia Ltd.	BUY	130.83	Ordinary	2,990	2,990
4-Nov-2020	Vanguard Investments Australia Ltd.	BUY	132.87	Ordinary	4,485	4,485
4-Nov-2020	Vanguard Investments Australia Ltd.	BUY	132.87	Ordinary	326	326
5-Nov-2020	Vanguard Investments Australia Ltd.	BUY	132.45	Ordinary	5,830	5,830
5-Nov-2020	Vanguard Investments Australia Ltd.	BUY	132.45	Ordinary	1,078	1,078

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5-Nov-2020	Vanguard Investments Australia Ltd.	BUY	132.45	Ordinary	596	596
9-Nov-2020	Vanguard Investments Australia Ltd.	SELL	136.44	Ordinary	(1,709)	(1,709)
10-Nov-2020	Vanguard Investments Australia Ltd.	BUY	139.18	Ordinary	5,083	5,083
10-Nov-2020	Vanguard Investments Australia Ltd.	SELL	139.17	Ordinary	(1,833)	(1,833)
11-Nov-2020	Vanguard Investments Australia Ltd.	SELL	142.04	Ordinary	(5,061)	(5,061)
12-Nov-2020	Vanguard Investments Australia Ltd.	BUY	141.02	Ordinary	1,468	1,468
13-Nov-2020	Vanguard Investments Australia Ltd.	BUY	141.17	Ordinary	15,847	15,847
13-Nov-2020	Vanguard Investments Australia Ltd.	BUY	141.17	Ordinary	5,083	5,083
17-Nov-2020	Vanguard Investments Australia Ltd.	BUY	139.68	Ordinary	2,990	2,990
17-Nov-2020	Vanguard Investments Australia Ltd.	SELL	139.68	Ordinary	(6,541)	(6,541)
19-Nov-2020	Vanguard Investments Australia Ltd.	BUY	138.01	Ordinary	11,003	11,003
20-Nov-2020	Vanguard Investments Australia Ltd.	BUY	136.67	Ordinary	444	444
20-Nov-2020	Vanguard Investments Australia Ltd.	BUY	136.67	Ordinary	888	888
23-Nov-2020	Vanguard Investments Australia Ltd.	BUY	139.70	Ordinary	3,576	3,576
25-Nov-2020	Vanguard Investments Australia Ltd.	BUY	141.04	Ordinary	8,642	8,642
26-Nov-2020	Vanguard Investments Australia Ltd.	SELL	138.27	Ordinary	(4,232)	(4,232)
26-Nov-2020	Vanguard Investments Australia Ltd.	SELL	138.27	Ordinary	(10,978)	(10,978)
26-Nov-2020	Vanguard Investments Australia Ltd.	BUY	138.27	Ordinary	48,944	48,944
26-Nov-2020	Vanguard Investments Australia Ltd.	BUY	138.27	Ordinary	1,468	1,468
27-Nov-2020	Vanguard Investments Australia Ltd.	SELL	137.49	Ordinary	(664)	(664)
30-Nov-2020	Vanguard Investments Australia Ltd.	SELL	138.67	Ordinary	(2,502)	(2,502)
30-Nov-2020	Vanguard Investments Australia Ltd.	BUY	138.99	Ordinary	7,652	7,652
30-Nov-2020	Vanguard Investments Australia Ltd.	BUY	138.99	Ordinary	1,206	1,206
30-Nov-2020	Vanguard Investments Australia Ltd.	SELL	138.67	Ordinary	(238)	(238)
30-Nov-2020	Vanguard Investments Australia Ltd.	BUY	138.99	Ordinary	2,157	2,157
1-Dec-2020	Vanguard Investments Australia Ltd.	BUY	140.19	Ordinary	4,455	4,455
2-Dec-2020	Vanguard Investments Australia Ltd.	BUY	138.34	Ordinary	4,752	4,752
3-Dec-2020	Vanguard Investments Australia Ltd.	BUY	137.95	Ordinary	466	466
3-Dec-2020	Vanguard Investments Australia Ltd.	BUY	138.60	Ordinary	53,914	53,914
3-Dec-2020	Vanguard Investments Australia Ltd.	BUY	138.60	Ordinary	1,468	1,468
3-Dec-2020	Vanguard Investments Australia Ltd.	BUY	138.60	Ordinary	221	221
3-Dec-2020	Vanguard Investments Australia Ltd.	BUY	138.60	Ordinary	698	698
4-Dec-2020	Vanguard Investments Australia Ltd.	BUY	141.82	Ordinary	2,970	2,970
7-Dec-2020	Vanguard Investments Australia Ltd.	SELL	140.95	Ordinary	(639)	(639)
9-Dec-2020	Vanguard Investments Australia Ltd.	BUY	139.77	Ordinary	173	173
11-Dec-2020	Vanguard Investments Australia Ltd.	BUY	138.08	Ordinary	3,861	3,861
11-Dec-2020	Vanguard Investments Australia Ltd.	BUY	138.08	Ordinary	663	663
15-Dec-2020	Vanguard Investments Australia Ltd.	BUY	137.53	Ordinary	2,970	2,970
16-Dec-2020	Vanguard Investments Australia Ltd.	SELL	138.40	Ordinary	(327)	(327)
16-Dec-2020	Vanguard Investments Australia Ltd.	BUY	138.42	Ordinary	2,970	2,970
17-Dec-2020	Vanguard Investments Australia Ltd.	SELL	139.41	Ordinary	(1,467)	(1,467)
17-Dec-2020	Vanguard Investments Australia Ltd.	BUY	141.58	Ordinary	1,468	1,468
17-Dec-2020	Vanguard Investments Australia Ltd.	BUY	141.58	Ordinary	3,861	3,861
18-Dec-2020	Vanguard Investments Australia Ltd.	BUY	137.96	Ordinary	1,404	1,404
18-Dec-2020	Vanguard Investments Australia Ltd.	SELL	138.30	Ordinary	(61)	(61)
18-Dec-2020	Vanguard Investments Australia Ltd.	SELL	138.30	Ordinary	(52,862)	(52,862)
18-Dec-2020	Vanguard Investments Australia Ltd.	SELL	138.30	Ordinary	(543)	(543)
21-Dec-2020	Vanguard Investments Australia Ltd.	SELL	137.65	Ordinary	(2,156)	(2,156)
22-Dec-2020	Vanguard Investments Australia Ltd.	BUY	137.25	Ordinary	5,880	5,880
23-Dec-2020	Vanguard Investments Australia Ltd.	BUY	139.86	Ordinary	298	298
31-Dec-2020	Vanguard Investments Australia Ltd.	SELL	138.48	Ordinary	(4,333)	(4,333)
31-Dec-2020	Vanguard Investments Australia Ltd.	SELL	138.48	Ordinary	(85)	(85)
31-Dec-2020	Vanguard Investments Australia Ltd.	SELL	138.48	Ordinary	(4,445)	(4,445)
31-Dec-2020	Vanguard Investments Australia Ltd.	BUY	138.48	Ordinary	1,364	1,364
4-Jan-2021	Vanguard Investments Australia Ltd.	BUY	140.00	Ordinary	2,930	2,930
4-Jan-2021	Vanguard Investments Australia Ltd.	BUY	140.00	Ordinary	12,000	12,000
5-Jan-2021	Vanguard Investments Australia Ltd.	SELL	139.11	Ordinary	(1,008)	(1,008)
6-Jan-2021	Vanguard Investments Australia Ltd.	BUY	135.82	Ordinary	3,516	3,516
6-Jan-2021	Vanguard Investments Australia Ltd.	BUY	135.82	Ordinary	183	183
12-Jan-2021	Vanguard Investments Australia Ltd.	BUY	138.79	Ordinary	410	410
14-Jan-2021	Vanguard Investments Australia Ltd.	BUY	138.30	Ordinary	4,688	4,688
15-Jan-2021	Vanguard Investments Australia Ltd.	SELL	137.33	Ordinary	(2,396)	(2,396)
15-Jan-2021	Vanguard Investments Australia Ltd.	SELL	137.33	Ordinary	(166)	(166)
19-Jan-2021	Vanguard Investments Australia Ltd.	BUY	138.83	Ordinary	1,470	1,470
20-Jan-2021	Vanguard Investments Australia Ltd.	BUY	138.44	Ordinary	434	434
21-Jan-2021	Vanguard Investments Australia Ltd.	BUY	138.67	Ordinary	570	570
25-Jan-2021	Vanguard Investments Australia Ltd.	SELL	137.08	Ordinary	(2,716)	(2,716)
25-Jan-2021	Vanguard Investments Australia Ltd.	SELL	137.08	Ordinary	(1,731)	(1,731)

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27-Jan-2021	Vanguard Investments Australia Ltd.	SELL	135.64	Ordinary	(1,268)	(1,268)
27-Jan-2021	Vanguard Investments Australia Ltd.	BUY	135.64	Ordinary	4,436	4,436
28-Jan-2021	Vanguard Investments Australia Ltd.	SELL	133.40	Ordinary	(1,747)	(1,747)
28-Jan-2021	Vanguard Investments Australia Ltd.	BUY	133.40	Ordinary	3,835	3,835
28-Jan-2021	Vanguard Investments Australia Ltd.	BUY	133.40	Ordinary	13,301	13,301
29-Jan-2021	Vanguard Investments Australia Ltd.	SELL	131.40	Ordinary	(3,259)	(3,259)
2-Feb-2021	Vanguard Investments Australia Ltd.	BUY	134.29	Ordinary	4,130	4,130
3-Feb-2021	Vanguard Investments Australia Ltd.	SELL	135.11	Ordinary	(56)	(56)
3-Feb-2021	Vanguard Investments Australia Ltd.	BUY	135.11	Ordinary	432	432
4-Feb-2021	Vanguard Investments Australia Ltd.	BUY	134.70	Ordinary	964	964
5-Feb-2021	Vanguard Investments Australia Ltd.	SELL	134.52	Ordinary	(872)	(872)
5-Feb-2021	Vanguard Investments Australia Ltd.	BUY	134.52	Ordinary	882	882
5-Feb-2021	Vanguard Investments Australia Ltd.	BUY	134.52	Ordinary	1,181	1,181
8-Feb-2021	Vanguard Investments Australia Ltd.	SELL	134.25	Ordinary	(1,352)	(1,352)
10-Feb-2021	Vanguard Investments Australia Ltd.	BUY	147.37	Ordinary	1,352	1,352
10-Feb-2021	Vanguard Investments Australia Ltd.	BUY	147.37	Ordinary	3,822	3,822
10-Feb-2021	Vanguard Investments Australia Ltd.	BUY	147.37	Ordinary	2,689	2,689
11-Feb-2021	Vanguard Investments Australia Ltd.	BUY	146.21	Ordinary	2,072	2,072
12-Feb-2021	Vanguard Investments Australia Ltd.	BUY	144.28	Ordinary	4,406	4,406
15-Feb-2021	Vanguard Investments Australia Ltd.	SELL	145.38	Ordinary	(3,964)	(3,964)
16-Feb-2021	Vanguard Investments Australia Ltd.	SELL	146.99	Ordinary	(876)	(876)
16-Feb-2021	Vanguard Investments Australia Ltd.	BUY	146.99	Ordinary	56	56
16-Feb-2021	Vanguard Investments Australia Ltd.	BUY	146.99	Ordinary	339	339
16-Feb-2021	Vanguard Investments Australia Ltd.	SELL	146.99	Ordinary	(1,356)	(1,356)
16-Feb-2021	Vanguard Investments Australia Ltd.	BUY	146.99	Ordinary	398	398
17-Feb-2021	Vanguard Investments Australia Ltd.	BUY	145.67	Ordinary	214	214
18-Feb-2021	Vanguard Investments Australia Ltd.	SELL	145.56	Ordinary	(4,481)	(4,481)
18-Feb-2021	Vanguard Investments Australia Ltd.	SELL	145.56	Ordinary	(19)	(19)
19-Feb-2021	Vanguard Investments Australia Ltd.	BUY	142.26	Ordinary	6,829	6,829
22-Feb-2021	Vanguard Investments Australia Ltd.	SELL	147.15	Ordinary	(80,002)	(80,002)
22-Feb-2021	Vanguard Investments Australia Ltd.	BUY	147.15	Ordinary	2,970	2,970
23-Feb-2021	Vanguard Investments Australia Ltd.	BUY	148.37	Ordinary	1,360	1,360
26-Feb-2021	Vanguard Investments Australia Ltd.	SELL	142.54	Ordinary	(1,425)	(1,425)
26-Feb-2021	Vanguard Investments Australia Ltd.	BUY	142.48	Ordinary	3,701	3,701
26-Feb-2021	Vanguard Investments Australia Ltd.	BUY	142.48	Ordinary	445	445
26-Feb-2021	Vanguard Investments Australia Ltd.	SELL	142.48	Ordinary	(455)	(455)
26-Feb-2021	Vanguard Investments Australia Ltd.	BUY	142.48	Ordinary	2,980	2,980
26-Feb-2021	Vanguard Investments Australia Ltd.	BUY	142.48	Ordinary	8,341	8,341
26-Feb-2021	Vanguard Investments Australia Ltd.	BUY	142.48	Ordinary	505	505
3-Mar-2021	Vanguard Investments Australia Ltd.	BUY	147.74	Ordinary	5,980	5,980
3-Mar-2021	Vanguard Investments Australia Ltd.	BUY	147.74	Ordinary	455	455
4-Mar-2021	Vanguard Investments Australia Ltd.	BUY	146.43	Ordinary	209	209
4-Mar-2021	Vanguard Investments Australia Ltd.	BUY	146.43	Ordinary	5,255	5,255
5-Mar-2021	Vanguard Investments Australia Ltd.	SELL	144.20	Ordinary	(1,108)	(1,108)
5-Mar-2021	Vanguard Investments Australia Ltd.	BUY	144.20	Ordinary	3,000	3,000
8-Mar-2021	Vanguard Investments Australia Ltd.	SELL	148.45	Ordinary	(930)	(930)
8-Mar-2021	Vanguard Investments Australia Ltd.	BUY	148.45	Ordinary	654	654
9-Mar-2021	Vanguard Investments Australia Ltd.	SELL	152.05	Ordinary	(2,074)	(2,074)
9-Mar-2021	Vanguard Investments Australia Ltd.	BUY	152.05	Ordinary	900	900
10-Mar-2021	Vanguard Investments Australia Ltd.	BUY	150.36	Ordinary	1,032	1,032
10-Mar-2021	Vanguard Investments Australia Ltd.	BUY	150.36	Ordinary	3,612	3,612
15-Mar-2021	Vanguard Investments Australia Ltd.	SELL	149.74	Ordinary	(1,376)	(1,376)
15-Mar-2021	Vanguard Investments Australia Ltd.	BUY	149.74	Ordinary	251	251
16-Mar-2021	Vanguard Investments Australia Ltd.	BUY	151.06	Ordinary	164	164
17-Mar-2021	Vanguard Investments Australia Ltd.	BUY	151.36	Ordinary	3,010	3,010
19-Mar-2021	Vanguard Investments Australia Ltd.	SELL	148.79	Ordinary	(594)	(594)
19-Mar-2021	Vanguard Investments Australia Ltd.	SELL	148.79	Ordinary	(2,897)	(2,897)
19-Mar-2021	Vanguard Investments Australia Ltd.	SELL	148.79	Ordinary	(425)	(425)
19-Mar-2021	Vanguard Investments Australia Ltd.	SELL	148.79	Ordinary	(6,155)	(6,155)
19-Mar-2021	Vanguard Investments Australia Ltd.	BUY	148.80	Ordinary	308	308
22-Mar-2021	Vanguard Investments Australia Ltd.	BUY	150.91	Ordinary	1,372	1,372
24-Mar-2021	Vanguard Investments Australia Ltd.	BUY	151.51	Ordinary	39	39
30-Mar-2021	Vanguard Investments Australia Ltd.	BUY	150.56	Ordinary	3,267	3,267
30-Mar-2021	Vanguard Investments Australia Ltd.	BUY	150.56	Ordinary	3,861	3,861
31-Mar-2021	Vanguard Investments Australia Ltd.	SELL	152.83	Ordinary	(7,492)	(7,492)
31-Mar-2021	Vanguard Investments Australia Ltd.	SELL	152.83	Ordinary	(11,067)	(11,067)
31-Mar-2021	Vanguard Investments Australia Ltd.	SELL	152.83	Ordinary	(127)	(127)
31-Mar-2021	Vanguard Investments Australia Ltd.	SELL	152.83	Ordinary	(2,975)	(2,975)

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-Mar-2021	Vanguard Investments Australia Ltd.	BUY	152.83	Ordinary	438	438
1-Apr-2021	Vanguard Investments Australia Ltd.	INSPEC	152.12	Ordinary	(608,210)	(608,210)
1-Apr-2021	Vanguard Investments Australia Ltd.	BUY	152.12	Ordinary	1,356	1,356
1-Apr-2021	Vanguard Investments Australia Ltd.	BUY	152.12	Ordinary	5,999	5,999
6-Apr-2021	Vanguard Investments Australia Ltd.	BUY	152.18	Ordinary	1,830	1,830
6-Apr-2021	Vanguard Investments Australia Ltd.	BUY	152.18	Ordinary	908	908
6-Apr-2021	Vanguard Investments Australia Ltd.	BUY	152.18	Ordinary	8,236	8,236
6-Apr-2021	Vanguard Investments Australia Ltd.	BUY	152.18	Ordinary	882	882
6-Apr-2021	Vanguard Investments Australia Ltd.	BUY	152.18	Ordinary	2,235	2,235
7-Apr-2021	Vanguard Investments Australia Ltd.	BUY	151.09	Ordinary	1,051	1,051
7-Apr-2021	Vanguard Investments Australia Ltd.	BUY	151.09	Ordinary	5,947	5,947
7-Apr-2021	Vanguard Investments Australia Ltd.	BUY	151.09	Ordinary	1,170	1,170
7-Apr-2021	Vanguard Investments Australia Ltd.	BUY	151.69	Ordinary	3,528	3,528
8-Apr-2021	Vanguard Investments Australia Ltd.	SELL	153.61	Ordinary	(814)	(814)
8-Apr-2021	Vanguard Investments Australia Ltd.	BUY	153.61	Ordinary	929	929
9-Apr-2021	Vanguard Investments Australia Ltd.	BUY	154.80	Ordinary	3,528	3,528
9-Apr-2021	Vanguard Investments Australia Ltd.	BUY	154.80	Ordinary	6,468	6,468
9-Apr-2021	Vanguard Investments Australia Ltd.	BUY	154.80	Ordinary	2,170	2,170
9-Apr-2021	Vanguard Investments Australia Ltd.	BUY	154.80	Ordinary	651	651
12-Apr-2021	Vanguard Investments Australia Ltd.	BUY	153.92	Ordinary	1,017	1,017
14-Apr-2021	Vanguard Investments Australia Ltd.	BUY	155.31	Ordinary	217	217
14-Apr-2021	Vanguard Investments Australia Ltd.	BUY	155.31	Ordinary	651	651
14-Apr-2021	Vanguard Investments Australia Ltd.	BUY	155.31	Ordinary	434	434
19-Apr-2021	Vanguard Investments Australia Ltd.	BUY	157.28	Ordinary	1,878	1,878
20-Apr-2021	Vanguard Investments Australia Ltd.	SELL	156.00	Ordinary	(1,545)	(1,545)
20-Apr-2021	Vanguard Investments Australia Ltd.	SELL	156.00	Ordinary	(36)	(36)
20-Apr-2021	Vanguard Investments Australia Ltd.	BUY	156.00	Ordinary	5,880	5,880
21-Apr-2021	Vanguard Investments Australia Ltd.	BUY	155.84	Ordinary	406	406
21-Apr-2021	Vanguard Investments Australia Ltd.	BUY	155.84	Ordinary	3,462	3,462
21-Apr-2021	Vanguard Investments Australia Ltd.	BUY	155.84	Ordinary	2,543	2,543
21-Apr-2021	Vanguard Investments Australia Ltd.	BUY	155.84	Ordinary	1,368	1,368
21-Apr-2021	Vanguard Investments Australia Ltd.	BUY	155.84	Ordinary	4,864	4,864
21-Apr-2021	Vanguard Investments Australia Ltd.	BUY	155.84	Ordinary	1,409	1,409
27-Apr-2021	Vanguard Investments Australia Ltd.	BUY	158.85	Ordinary	6,687	6,687
28-Apr-2021	Vanguard Investments Australia Ltd.	BUY	160.88	Ordinary	5,642	5,642
28-Apr-2021	Vanguard Investments Australia Ltd.	BUY	160.88	Ordinary	643	643
29-Apr-2021	Vanguard Investments Australia Ltd.	BUY	160.52	Ordinary	3,256	3,256
29-Apr-2021	Vanguard Investments Australia Ltd.	BUY	160.52	Ordinary	868	868
30-Apr-2021	Vanguard Investments Australia Ltd.	BUY	160.49	Ordinary	1,368	1,368
30-Apr-2021	Vanguard Investments Australia Ltd.	BUY	160.49	Ordinary	3,273	3,273
3-May-2021	Vanguard Investments Australia Ltd.	SELL	160.19	Ordinary	(249)	(249)
3-May-2021	Vanguard Investments Australia Ltd.	BUY	160.19	Ordinary	2,960	2,960
3-May-2021	Vanguard Investments Australia Ltd.	BUY	160.19	Ordinary	651	651
4-May-2021	Vanguard Investments Australia Ltd.	BUY	160.28	Ordinary	814	814
5-May-2021	Vanguard Investments Australia Ltd.	BUY	161.11	Ordinary	814	814
5-May-2021	Vanguard Investments Australia Ltd.	BUY	161.11	Ordinary	671	671
6-May-2021	Vanguard Investments Australia Ltd.	BUY	159.00	Ordinary	4,440	4,440
7-May-2021	Vanguard Investments Australia Ltd.	BUY	158.45	Ordinary	13,750	13,750
7-May-2021	Vanguard Investments Australia Ltd.	BUY	158.45	Ordinary	217	217
10-May-2021	Vanguard Investments Australia Ltd.	BUY	158.21	Ordinary	217	217
11-May-2021	Vanguard Investments Australia Ltd.	BUY	155.94	Ordinary	56	56
12-May-2021	Vanguard Investments Australia Ltd.	BUY	154.26	Ordinary	1,368	1,368
13-May-2021	Vanguard Investments Australia Ltd.	BUY	154.86	Ordinary	905	905
13-May-2021	Vanguard Investments Australia Ltd.	BUY	154.86	Ordinary	3,336	3,336
13-May-2021	Vanguard Investments Australia Ltd.	BUY	154.86	Ordinary	1,232	1,232
13-May-2021	Vanguard Investments Australia Ltd.	BUY	154.86	Ordinary	3,977	3,977
13-May-2021	Vanguard Investments Australia Ltd.	BUY	154.86	Ordinary	654	654
13-May-2021	Vanguard Investments Australia Ltd.	BUY	154.86	Ordinary	436	436
14-May-2021	Vanguard Investments Australia Ltd.	BUY	158.34	Ordinary	3,009	3,009
14-May-2021	Vanguard Investments Australia Ltd.	BUY	158.34	Ordinary	4,158	4,158
17-May-2021	Vanguard Investments Australia Ltd.	SELL	150.59	Ordinary	(3,778)	(3,778)
17-May-2021	Vanguard Investments Australia Ltd.	BUY	150.59	Ordinary	126	126
17-May-2021	Vanguard Investments Australia Ltd.	BUY	150.59	Ordinary	2,593	2,593
17-May-2021	Vanguard Investments Australia Ltd.	BUY	150.59	Ordinary	1,376	1,376
17-May-2021	Vanguard Investments Australia Ltd.	BUY	150.59	Ordinary	3,564	3,564
17-May-2021	Vanguard Investments Australia Ltd.	BUY	150.59	Ordinary	4,940	4,940
17-May-2021	Vanguard Investments Australia Ltd.	BUY	150.59	Ordinary	435	435
18-May-2021	Vanguard Investments Australia Ltd.	BUY	154.13	Ordinary	3,270	3,270

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-May-2021	Vanguard Investments Australia Ltd.	BUY	149.97	Ordinary	3,861	3,861
20-May-2021	Vanguard Investments Australia Ltd.	INSPEC	150.36	Ordinary	(1,226,847)	(1,226,847)
20-May-2021	Vanguard Investments Australia Ltd.	INSPEC	150.36	Ordinary	(10,472)	(10,472)
20-May-2021	Vanguard Investments Australia Ltd.	BUY	150.36	Ordinary	1,376	1,376
20-May-2021	Vanguard Investments Australia Ltd.	BUY	150.36	Ordinary	654	654
20-May-2021	Vanguard Investments Australia Ltd.	BUY	150.36	Ordinary	549	549
21-May-2021	Vanguard Investments Australia Ltd.	BUY	151.28	Ordinary	5,940	5,940
21-May-2021	Vanguard Investments Australia Ltd.	BUY	151.28	Ordinary	218	218
21-May-2021	Vanguard Investments Australia Ltd.	BUY	151.28	Ordinary	1,526	1,526
25-May-2021	Vanguard Investments Australia Ltd.	BUY	152.92	Ordinary	3,564	3,564
26-May-2021	Vanguard Investments Australia Ltd.	BUY	152.61	Ordinary	218	218
26-May-2021	Vanguard Investments Australia Ltd.	BUY	152.61	Ordinary	731	731
27-May-2021	Vanguard Investments Australia Ltd.	SELL	151.80	Ordinary	(2,578)	(2,578)
27-May-2021	Vanguard Investments Australia Ltd.	BUY	151.77	Ordinary	852	852
27-May-2021	Vanguard Investments Australia Ltd.	BUY	151.77	Ordinary	1,032	1,032
27-May-2021	Vanguard Investments Australia Ltd.	SELL	151.80	Ordinary	(974)	(974)
31-May-2021	Vanguard Investments Australia Ltd.	BUY	151.93	Ordinary	11,595	11,595
3-Jun-2021	Vanguard Investments Australia Ltd.	BUY	152.44	Ordinary	218	218
4-Jun-2021	Vanguard Investments Australia Ltd.	BUY	153.09	Ordinary	339	339
4-Jun-2021	Vanguard Investments Australia Ltd.	BUY	153.09	Ordinary	774	774
8-Jun-2021	Vanguard Investments Australia Ltd.	SELL	153.42	Ordinary	(548)	(548)
8-Jun-2021	Vanguard Investments Australia Ltd.	BUY	153.42	Ordinary	688	688
8-Jun-2021	Vanguard Investments Australia Ltd.	BUY	153.42	Ordinary	3,564	3,564
9-Jun-2021	Vanguard Investments Australia Ltd.	BUY	151.41	Ordinary	3,564	3,564
11-Jun-2021	Vanguard Investments Australia Ltd.	BUY	151.56	Ordinary	1,376	1,376
15-Jun-2021	Vanguard Investments Australia Ltd.	BUY	153.88	Ordinary	218	218
18-Jun-2021	Vanguard Investments Australia Ltd.	SELL	154.30	Ordinary	(927)	(927)
18-Jun-2021	Vanguard Investments Australia Ltd.	SELL	154.30	Ordinary	(49,481)	(49,481)
18-Jun-2021	Vanguard Investments Australia Ltd.	BUY	154.26	Ordinary	877	877
22-Jun-2021	Vanguard Investments Australia Ltd.	BUY	153.56	Ordinary	1,184	1,184
22-Jun-2021	Vanguard Investments Australia Ltd.	BUY	153.56	Ordinary	2,960	2,960
23-Jun-2021	Vanguard Investments Australia Ltd.	BUY	153.40	Ordinary	442	442
24-Jun-2021	Vanguard Investments Australia Ltd.	BUY	152.45	Ordinary	1,284	1,284
24-Jun-2021	Vanguard Investments Australia Ltd.	BUY	152.45	Ordinary	442	442
24-Jun-2021	Vanguard Investments Australia Ltd.	BUY	152.45	Ordinary	1,386	1,386

This is Annexure A of 30 pages referred to in Form 605, notice of ceasing to be a substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 29 June 2021