

**Form 604**Corporations Act 2001  
Section 671B**Notice of change of interests of substantial holder**To Company Name/Scheme  
ACN/ARSNJB Hi-Fi Limited  
093 220 136**1. Details of substantial holder (1)**

Name

Vanguard Group (The Vanguard Group, Inc. and its controlled entities including those listed in Annexure A)

ACN/ARSN (if applicable)

N/A

There was a change in the interests of the substantial holder on

05 January 2021

The previous notice was given to the company on

20 December 2017

The previous notice was dated

20 December 2017

**2. Previous and present voting power**

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in when last required, and when now required, to give a substantial holding notice to the company or scheme, are as follows:

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
Ordinary	5,804,822	5.054%	6,957,042	6.056%

**3. Changes in relevant interests**

Particulars of each change in, or change in the nature of, a relevant interest of the substantial holder or an associate 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 (6)	Consideration given in relation to change (7)	Class and number of securities affected	Person's votes affected
See Annexure A					

**4. Present relevant interests**

Particulars of each relevant interest of the substantial holder in voting securities after the change are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Nature of relevant interest (6)	Class and number of securities	Person's votes
Vanguard Group	<b>Brown Brothers Harriman</b>	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	<b>Ordinary – 108,550</b>	108,550
Vanguard Group	<b>BNY Mellon</b>	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	<b>Ordinary – 330,529</b>	330,529
Vanguard Group	<b>Citibank</b>	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	<b>Ordinary – 2,820</b>	2,820
Vanguard Group	<b>JP Morgan Chase Bank, N.A.</b>	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	<b>Ordinary – 3,855,921</b>	3,855,921
Vanguard Group	<b>State Street Bank and Trust Company</b>	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	<b>Ordinary – 817,275</b>	817,275
Vanguard Group	<b>Various others</b>	Various funds and other accounts of Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	<b>Ordinary – 1,841,947</b>	1,841,947

**5. Changes in association**

The persons who have become associates (2) of, ceased to be associates of, or have changed the nature of their association (9) 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

**6. 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 08 January 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 6 of the form.
- (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (4) The voting shares of a company constitute one class unless divided into separate classes.
- (5) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (6) ☐ 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.
- (7) 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.
- (8) If the substantial holder is unable to determine the identity of the person (eg. if the relevant interest arises because of an option) write "unknown".
- (9) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.

<b>To Company</b>	JB Hi-Fi Limited
<b>ACN/ARSN</b>	093-220-136
<b>Substantial Holder Name</b>	The Vanguard Group, Inc.
<b>ACN/ARSN</b>	N/A

<b>Date of change</b>	<b>Person whose relevant interest changed</b>	<b>Nature of Change(6)</b>	<b>Consideration given in relation to change(7)</b>	<b>Class</b>	<b>Number of securities affected</b>	<b>Person's votes affected</b>
18-Dec-2017	The Vanguard Group, Inc.	BUY	25.00	Ordinary	158	158
21-Dec-2017	The Vanguard Group, Inc.	SELL	24.81	Ordinary	(560)	(560)
21-Dec-2017	The Vanguard Group, Inc.	BUY	24.81	Ordinary	1,160	1,160
26-Dec-2017	The Vanguard Group, Inc.	BUY	24.80	Ordinary	3,248	3,248
29-Dec-2017	The Vanguard Group, Inc.	SELL	24.85	Ordinary	(840)	(840)
2-Jan-2018	The Vanguard Group, Inc.	BUY	24.91	Ordinary	1,300	1,300
4-Jan-2018	The Vanguard Group, Inc.	BUY	25.61	Ordinary	928	928
4-Jan-2018	The Vanguard Group, Inc.	BUY	25.61	Ordinary	1,950	1,950
5-Jan-2018	The Vanguard Group, Inc.	BUY	26.18	Ordinary	1,160	1,160
9-Jan-2018	The Vanguard Group, Inc.	BUY	27.40	Ordinary	2,784	2,784
11-Jan-2018	The Vanguard Group, Inc.	BUY	28.10	Ordinary	1,856	1,856
16-Jan-2018	The Vanguard Group, Inc.	BUY	28.38	Ordinary	1,392	1,392
16-Jan-2018	The Vanguard Group, Inc.	BUY	28.51	Ordinary	135	135
18-Jan-2018	The Vanguard Group, Inc.	BUY	27.51	Ordinary	1,856	1,856
26-Jan-2018	The Vanguard Group, Inc.	BUY	28.61	Ordinary	1,392	1,392
29-Jan-2018	The Vanguard Group, Inc.	BUY	28.82	Ordinary	119	119
30-Jan-2018	The Vanguard Group, Inc.	BUY	28.70	Ordinary	1,624	1,624
30-Jan-2018	The Vanguard Group, Inc.	SELL	28.75	Ordinary	(37,510)	(37,510)
1-Feb-2018	The Vanguard Group, Inc.	BUY	28.90	Ordinary	2,088	2,088
5-Feb-2018	The Vanguard Group, Inc.	SELL	27.13	Ordinary	(560)	(560)
5-Feb-2018	The Vanguard Group, Inc.	SELL	27.13	Ordinary	(700)	(700)
8-Feb-2018	The Vanguard Group, Inc.	SELL	27.23	Ordinary	(280)	(280)
8-Feb-2018	The Vanguard Group, Inc.	SELL	27.04	Ordinary	(1,995)	(1,995)
13-Feb-2018	The Vanguard Group, Inc.	BUY	26.54	Ordinary	2,320	2,320
13-Feb-2018	The Vanguard Group, Inc.	BUY	26.54	Ordinary	1,392	1,392
16-Feb-2018	The Vanguard Group, Inc.	BUY	26.77	Ordinary	2,088	2,088
16-Feb-2018	The Vanguard Group, Inc.	BUY	26.77	Ordinary	2,784	2,784
16-Feb-2018	The Vanguard Group, Inc.	SELL	26.92	Ordinary	(37,419)	(37,419)
20-Feb-2018	The Vanguard Group, Inc.	SELL	27.49	Ordinary	(1,400)	(1,400)
21-Feb-2018	The Vanguard Group, Inc.	SELL	27.59	Ordinary	(560)	(560)
21-Feb-2018	The Vanguard Group, Inc.	SELL	27.59	Ordinary	(700)	(700)
21-Feb-2018	The Vanguard Group, Inc.	BUY	27.66	Ordinary	1,154	1,154
22-Feb-2018	The Vanguard Group, Inc.	SELL	26.72	Ordinary	(3,328)	(3,328)
27-Feb-2018	The Vanguard Group, Inc.	SELL	26.47	Ordinary	(1,400)	(1,400)
28-Feb-2018	The Vanguard Group, Inc.	BUY	25.74	Ordinary	1,950	1,950
1-Mar-2018	The Vanguard Group, Inc.	SELL	25.86	Ordinary	(1,540)	(1,540)
8-Mar-2018	The Vanguard Group, Inc.	BUY	26.49	Ordinary	37,930	37,930
9-Mar-2018	The Vanguard Group, Inc.	BUY	26.28	Ordinary	220	220
12-Mar-2018	The Vanguard Group, Inc.	SELL	25.94	Ordinary	(700)	(700)
14-Mar-2018	The Vanguard Group, Inc.	BUY	25.85	Ordinary	198	198
16-Mar-2018	The Vanguard Group, Inc.	SELL	26.19	Ordinary	(4,946)	(4,946)
16-Mar-2018	The Vanguard Group, Inc.	SELL	26.25	Ordinary	(980)	(980)
16-Mar-2018	The Vanguard Group, Inc.	SELL	26.19	Ordinary	(3,599)	(3,599)
16-Mar-2018	The Vanguard Group, Inc.	SELL	26.20	Ordinary	(129)	(129)
16-Mar-2018	The Vanguard Group, Inc.	SELL	26.20	Ordinary	(699)	(699)
20-Mar-2018	The Vanguard Group, Inc.	BUY	26.18	Ordinary	1,470	1,470
22-Mar-2018	The Vanguard Group, Inc.	SELL	26.22	Ordinary	(63)	(63)
23-Mar-2018	The Vanguard Group, Inc.	BUY	25.25	Ordinary	1,225	1,225
23-Mar-2018	The Vanguard Group, Inc.	BUY	25.25	Ordinary	2,450	2,450
23-Mar-2018	The Vanguard Group, Inc.	BUY	25.62	Ordinary	5,901	5,901
26-Mar-2018	The Vanguard Group, Inc.	BUY	25.95	Ordinary	735	735
27-Mar-2018	The Vanguard Group, Inc.	BUY	25.91	Ordinary	7,574	7,574
28-Mar-2018	The Vanguard Group, Inc.	BUY	25.73	Ordinary	980	980
3-Apr-2018	The Vanguard Group, Inc.	BUY	25.34	Ordinary	1,178	1,178
3-Apr-2018	The Vanguard Group, Inc.	BUY	25.34	Ordinary	1,767	1,767
5-Apr-2018	The Vanguard Group, Inc.	SELL	26.08	Ordinary	(447)	(447)
12-Apr-2018	The Vanguard Group, Inc.	BUY	25.80	Ordinary	3,017	3,017
13-Apr-2018	The Vanguard Group, Inc.	BUY	25.63	Ordinary	1,767	1,767
18-Apr-2018	The Vanguard Group, Inc.	BUY	25.49	Ordinary	65	65
26-Apr-2018	The Vanguard Group, Inc.	BUY	25.82	Ordinary	3,920	3,920
1-May-2018	The Vanguard Group, Inc.	SELL	25.56	Ordinary	(447)	(447)
7-May-2018	The Vanguard Group, Inc.	BUY	23.26	Ordinary	1,470	1,470
8-May-2018	The Vanguard Group, Inc.	BUY	22.99	Ordinary	1,032	1,032
9-May-2018	The Vanguard Group, Inc.	BUY	22.74	Ordinary	3,675	3,675
15-May-2018	The Vanguard Group, Inc.	BUY	22.39	Ordinary	2,940	2,940
17-May-2018	The Vanguard Group, Inc.	BUY	23.38	Ordinary	1,178	1,178
21-May-2018	The Vanguard Group, Inc.	BUY	23.26	Ordinary	1,767	1,767
22-May-2018	The Vanguard Group, Inc.	BUY	23.44	Ordinary	1,715	1,715
23-May-2018	The Vanguard Group, Inc.	BUY	24.01	Ordinary	5,301	5,301

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
24-May-2018	The Vanguard Group, Inc.	SELL	23.52	Ordinary	(298)	(298)
25-May-2018	The Vanguard Group, Inc.	BUY	23.71	Ordinary	735	735
30-May-2018	The Vanguard Group, Inc.	BUY	23.47	Ordinary	28,842	28,842
31-May-2018	The Vanguard Group, Inc.	BUY	23.92	Ordinary	1,767	1,767
1-Jun-2018	The Vanguard Group, Inc.	BUY	24.22	Ordinary	1,225	1,225
11-Jun-2018	The Vanguard Group, Inc.	BUY	23.54	Ordinary	4,712	4,712
13-Jun-2018	The Vanguard Group, Inc.	BUY	22.95	Ordinary	1,767	1,767
15-Jun-2018	The Vanguard Group, Inc.	SELL	22.72	Ordinary	(13,618)	(13,618)
15-Jun-2018	The Vanguard Group, Inc.	SELL	22.72	Ordinary	(12,789)	(12,789)
19-Jun-2018	The Vanguard Group, Inc.	BUY	22.89	Ordinary	1,248	1,248
20-Jun-2018	The Vanguard Group, Inc.	BUY	22.50	Ordinary	29,540	29,540
22-Jun-2018	The Vanguard Group, Inc.	BUY	23.24	Ordinary	3,744	3,744
27-Jun-2018	The Vanguard Group, Inc.	SELL	22.72	Ordinary	(146)	(146)
12-Jul-2018	The Vanguard Group, Inc.	SELL	23.46	Ordinary	(944)	(944)
19-Jul-2018	The Vanguard Group, Inc.	BUY	23.92	Ordinary	28,607	28,607
19-Jul-2018	The Vanguard Group, Inc.	BUY	23.79	Ordinary	2,496	2,496
23-Jul-2018	The Vanguard Group, Inc.	SELL	23.38	Ordinary	(447)	(447)
24-Jul-2018	The Vanguard Group, Inc.	BUY	23.58	Ordinary	2,496	2,496
25-Jul-2018	The Vanguard Group, Inc.	SELL	23.66	Ordinary	(298)	(298)
25-Jul-2018	The Vanguard Group, Inc.	SELL	23.66	Ordinary	(2,235)	(2,235)
25-Jul-2018	The Vanguard Group, Inc.	SELL	23.66	Ordinary	(447)	(447)
25-Jul-2018	The Vanguard Group, Inc.	SELL	23.58	Ordinary	(133)	(133)
30-Jul-2018	The Vanguard Group, Inc.	BUY	23.77	Ordinary	1,248	1,248
31-Jul-2018	The Vanguard Group, Inc.	BUY	23.85	Ordinary	3,744	3,744
31-Jul-2018	The Vanguard Group, Inc.	BUY	23.85	Ordinary	1,872	1,872
2-Aug-2018	The Vanguard Group, Inc.	SELL	22.78	Ordinary	(1,490)	(1,490)
3-Aug-2018	The Vanguard Group, Inc.	BUY	22.73	Ordinary	1,872	1,872
3-Aug-2018	The Vanguard Group, Inc.	BUY	22.73	Ordinary	1,872	1,872
3-Aug-2018	The Vanguard Group, Inc.	BUY	22.74	Ordinary	188	188
6-Aug-2018	The Vanguard Group, Inc.	BUY	22.76	Ordinary	2,496	2,496
9-Aug-2018	The Vanguard Group, Inc.	BUY	22.79	Ordinary	1,248	1,248
9-Aug-2018	The Vanguard Group, Inc.	BUY	22.79	Ordinary	1,872	1,872
10-Aug-2018	The Vanguard Group, Inc.	SELL	23.46	Ordinary	(3,576)	(3,576)
15-Aug-2018	The Vanguard Group, Inc.	SELL	26.10	Ordinary	(1,788)	(1,788)
15-Aug-2018	The Vanguard Group, Inc.	BUY	25.44	Ordinary	34,780	34,780
16-Aug-2018	The Vanguard Group, Inc.	BUY	26.18	Ordinary	1,872	1,872
24-Aug-2018	The Vanguard Group, Inc.	BUY	25.59	Ordinary	1,248	1,248
5-Sep-2018	The Vanguard Group, Inc.	SELL	25.87	Ordinary	(222)	(222)
7-Sep-2018	The Vanguard Group, Inc.	BUY	25.01	Ordinary	944	944
7-Sep-2018	The Vanguard Group, Inc.	SELL	25.01	Ordinary	(624)	(624)
12-Sep-2018	The Vanguard Group, Inc.	BUY	24.80	Ordinary	1,416	1,416
18-Sep-2018	The Vanguard Group, Inc.	BUY	24.70	Ordinary	174	174
21-Sep-2018	The Vanguard Group, Inc.	BUY	25.02	Ordinary	6,023	6,023
26-Sep-2018	The Vanguard Group, Inc.	BUY	25.26	Ordinary	1,784	1,784
26-Sep-2018	The Vanguard Group, Inc.	BUY	25.26	Ordinary	2,230	2,230
26-Sep-2018	The Vanguard Group, Inc.	BUY	25.26	Ordinary	892	892
1-Oct-2018	The Vanguard Group, Inc.	BUY	24.95	Ordinary	1,338	1,338
2-Oct-2018	The Vanguard Group, Inc.	BUY	24.25	Ordinary	3,568	3,568
3-Oct-2018	The Vanguard Group, Inc.	BUY	24.52	Ordinary	1,338	1,338
11-Oct-2018	The Vanguard Group, Inc.	BUY	24.36	Ordinary	882	882
12-Oct-2018	The Vanguard Group, Inc.	BUY	24.42	Ordinary	31,512	31,512
15-Oct-2018	The Vanguard Group, Inc.	BUY	24.45	Ordinary	1,470	1,470
19-Oct-2018	The Vanguard Group, Inc.	BUY	24.52	Ordinary	882	882
19-Oct-2018	The Vanguard Group, Inc.	BUY	24.52	Ordinary	1,338	1,338
25-Oct-2018	The Vanguard Group, Inc.	BUY	23.12	Ordinary	1,115	1,115
26-Oct-2018	The Vanguard Group, Inc.	BUY	22.70	Ordinary	30,235	30,235
31-Oct-2018	The Vanguard Group, Inc.	BUY	23.01	Ordinary	1,561	1,561
1-Nov-2018	The Vanguard Group, Inc.	BUY	23.22	Ordinary	2,230	2,230
2-Nov-2018	The Vanguard Group, Inc.	BUY	23.25	Ordinary	2,955	2,955
7-Nov-2018	The Vanguard Group, Inc.	BUY	23.73	Ordinary	1,784	1,784
12-Nov-2018	The Vanguard Group, Inc.	BUY	23.85	Ordinary	1,338	1,338
12-Nov-2018	The Vanguard Group, Inc.	BUY	23.85	Ordinary	1,226	1,226
14-Nov-2018	The Vanguard Group, Inc.	BUY	23.51	Ordinary	1,784	1,784
14-Nov-2018	The Vanguard Group, Inc.	BUY	23.51	Ordinary	1,338	1,338
15-Nov-2018	The Vanguard Group, Inc.	BUY	24.24	Ordinary	33,223	33,223
15-Nov-2018	The Vanguard Group, Inc.	BUY	24.08	Ordinary	1,839	1,839
21-Nov-2018	The Vanguard Group, Inc.	BUY	22.46	Ordinary	1,784	1,784
28-Nov-2018	The Vanguard Group, Inc.	BUY	23.31	Ordinary	147	147
28-Nov-2018	The Vanguard Group, Inc.	BUY	23.31	Ordinary	882	882
28-Nov-2018	The Vanguard Group, Inc.	BUY	23.31	Ordinary	1,115	1,115
30-Nov-2018	The Vanguard Group, Inc.	BUY	23.25	Ordinary	1,839	1,839
4-Dec-2018	The Vanguard Group, Inc.	BUY	22.56	Ordinary	1,784	1,784
4-Dec-2018	The Vanguard Group, Inc.	BUY	22.56	Ordinary	1,839	1,839
6-Dec-2018	The Vanguard Group, Inc.	BUY	22.70	Ordinary	2,452	2,452
7-Dec-2018	The Vanguard Group, Inc.	BUY	22.70	Ordinary	1,784	1,784
7-Dec-2018	The Vanguard Group, Inc.	BUY	22.70	Ordinary	1,561	1,561

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
7-Dec-2018	The Vanguard Group, Inc.	BUY	22.70	Ordinary	2,452	2,452
11-Dec-2018	The Vanguard Group, Inc.	BUY	21.73	Ordinary	1,784	1,784
11-Dec-2018	The Vanguard Group, Inc.	BUY	21.73	Ordinary	1,338	1,338
11-Dec-2018	The Vanguard Group, Inc.	BUY	21.73	Ordinary	2,452	2,452
12-Dec-2018	The Vanguard Group, Inc.	BUY	22.53	Ordinary	3,791	3,791
12-Dec-2018	The Vanguard Group, Inc.	BUY	22.53	Ordinary	1,338	1,338
12-Dec-2018	The Vanguard Group, Inc.	BUY	22.53	Ordinary	1,338	1,338
14-Dec-2018	The Vanguard Group, Inc.	BUY	22.21	Ordinary	1,338	1,338
14-Dec-2018	The Vanguard Group, Inc.	BUY	22.21	Ordinary	1,839	1,839
17-Dec-2018	The Vanguard Group, Inc.	BUY	22.55	Ordinary	2,676	2,676
19-Dec-2018	The Vanguard Group, Inc.	BUY	21.90	Ordinary	2,452	2,452
20-Dec-2018	The Vanguard Group, Inc.	BUY	22.33	Ordinary	1,784	1,784
21-Dec-2018	The Vanguard Group, Inc.	SELL	21.96	Ordinary	(116)	(116)
21-Dec-2018	The Vanguard Group, Inc.	BUY	21.98	Ordinary	63	63
2-Jan-2019	The Vanguard Group, Inc.	BUY	21.78	Ordinary	7,536	7,536
2-Jan-2019	The Vanguard Group, Inc.	BUY	21.78	Ordinary	5,024	5,024
2-Jan-2019	The Vanguard Group, Inc.	BUY	21.78	Ordinary	2,512	2,512
3-Jan-2019	The Vanguard Group, Inc.	BUY	20.55	Ordinary	1,884	1,884
4-Jan-2019	The Vanguard Group, Inc.	BUY	20.58	Ordinary	628	628
9-Jan-2019	The Vanguard Group, Inc.	BUY	21.41	Ordinary	389	389
17-Jan-2019	The Vanguard Group, Inc.	SELL	21.22	Ordinary	(1,602)	(1,602)
22-Jan-2019	The Vanguard Group, Inc.	SELL	21.86	Ordinary	(1,602)	(1,602)
23-Jan-2019	The Vanguard Group, Inc.	SELL	22.20	Ordinary	(3,471)	(3,471)
24-Jan-2019	The Vanguard Group, Inc.	SELL	22.31	Ordinary	(3,471)	(3,471)
29-Jan-2019	The Vanguard Group, Inc.	SELL	22.31	Ordinary	(2,136)	(2,136)
29-Jan-2019	The Vanguard Group, Inc.	SELL	22.31	Ordinary	(5,073)	(5,073)
29-Jan-2019	The Vanguard Group, Inc.	SELL	22.31	Ordinary	(2,136)	(2,136)
29-Jan-2019	The Vanguard Group, Inc.	SELL	22.31	Ordinary	(2,512)	(2,512)
1-Feb-2019	The Vanguard Group, Inc.	SELL	22.73	Ordinary	(3,140)	(3,140)
1-Feb-2019	The Vanguard Group, Inc.	SELL	22.73	Ordinary	(2,512)	(2,512)
7-Feb-2019	The Vanguard Group, Inc.	SELL	22.77	Ordinary	(1,200)	(1,200)
7-Feb-2019	The Vanguard Group, Inc.	SELL	22.77	Ordinary	(2,512)	(2,512)
8-Feb-2019	The Vanguard Group, Inc.	SELL	22.60	Ordinary	(1,884)	(1,884)
13-Feb-2019	The Vanguard Group, Inc.	SELL	22.95	Ordinary	(4,396)	(4,396)
14-Feb-2019	The Vanguard Group, Inc.	BUY	22.69	Ordinary	4,478	4,478
15-Feb-2019	The Vanguard Group, Inc.	SELL	23.15	Ordinary	(2,512)	(2,512)
22-Feb-2019	The Vanguard Group, Inc.	SELL	22.46	Ordinary	(3,140)	(3,140)
25-Feb-2019	The Vanguard Group, Inc.	SELL	21.69	Ordinary	(1,256)	(1,256)
25-Feb-2019	The Vanguard Group, Inc.	SELL	21.69	Ordinary	(1,256)	(1,256)
25-Feb-2019	The Vanguard Group, Inc.	SELL	21.69	Ordinary	(1,884)	(1,884)
26-Feb-2019	The Vanguard Group, Inc.	BUY	21.44	Ordinary	1,335	1,335
1-Mar-2019	The Vanguard Group, Inc.	BUY	22.24	Ordinary	3,007	3,007
1-Mar-2019	The Vanguard Group, Inc.	BUY	22.24	Ordinary	164	164
5-Mar-2019	The Vanguard Group, Inc.	BUY	22.30	Ordinary	1,602	1,602
8-Mar-2019	The Vanguard Group, Inc.	BUY	23.90	Ordinary	1,335	1,335
15-Mar-2019	The Vanguard Group, Inc.	SELL	24.10	Ordinary	(965)	(965)
20-Mar-2019	The Vanguard Group, Inc.	BUY	23.95	Ordinary	801	801
27-Mar-2019	The Vanguard Group, Inc.	SELL	23.86	Ordinary	(1,276)	(1,276)
29-Mar-2019	The Vanguard Group, Inc.	BUY	24.95	Ordinary	29,034	29,034
1-Apr-2019	The Vanguard Group, Inc.	BUY	25.26	Ordinary	1,068	1,068
1-Apr-2019	The Vanguard Group, Inc.	BUY	25.20	Ordinary	1,037	1,037
12-Apr-2019	The Vanguard Group, Inc.	BUY	25.05	Ordinary	14,107	14,107
16-Apr-2019	The Vanguard Group, Inc.	BUY	25.18	Ordinary	38,366	38,366
17-Apr-2019	The Vanguard Group, Inc.	BUY	25.45	Ordinary	16,194	16,194
26-Apr-2019	The Vanguard Group, Inc.	BUY	25.64	Ordinary	1,335	1,335
6-May-2019	The Vanguard Group, Inc.	SELL	25.34	Ordinary	(900)	(900)
7-May-2019	The Vanguard Group, Inc.	BUY	25.29	Ordinary	983	983
7-May-2019	The Vanguard Group, Inc.	BUY	25.26	Ordinary	1,579	1,579
8-May-2019	The Vanguard Group, Inc.	SELL	25.27	Ordinary	(900)	(900)
9-May-2019	The Vanguard Group, Inc.	BUY	25.45	Ordinary	1,602	1,602
14-May-2019	The Vanguard Group, Inc.	SELL	25.14	Ordinary	(900)	(900)
15-May-2019	The Vanguard Group, Inc.	BUY	25.29	Ordinary	2,889	2,889
16-May-2019	The Vanguard Group, Inc.	BUY	25.25	Ordinary	1,583	1,583
23-May-2019	The Vanguard Group, Inc.	SELL	27.64	Ordinary	(2,484)	(2,484)
28-May-2019	The Vanguard Group, Inc.	BUY	28.15	Ordinary	1,335	1,335
29-May-2019	The Vanguard Group, Inc.	BUY	28.22	Ordinary	1,914	1,914
29-May-2019	The Vanguard Group, Inc.	SELL	28.25	Ordinary	(109)	(109)
31-May-2019	The Vanguard Group, Inc.	BUY	28.09	Ordinary	31,639	31,639
31-May-2019	The Vanguard Group, Inc.	BUY	28.09	Ordinary	103	103
4-Jun-2019	The Vanguard Group, Inc.	BUY	27.43	Ordinary	5,985	5,985
4-Jun-2019	The Vanguard Group, Inc.	BUY	27.36	Ordinary	1,914	1,914
5-Jun-2019	The Vanguard Group, Inc.	SELL	27.57	Ordinary	(600)	(600)
5-Jun-2019	The Vanguard Group, Inc.	SELL	27.57	Ordinary	(1,200)	(1,200)
6-Jun-2019	The Vanguard Group, Inc.	BUY	27.86	Ordinary	26,047	26,047
11-Jun-2019	The Vanguard Group, Inc.	SELL	28.34	Ordinary	(750)	(750)
12-Jun-2019	The Vanguard Group, Inc.	BUY	28.01	Ordinary	197	197

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14-Jun-2019	The Vanguard Group, Inc.	SELL	26.59	Ordinary	(450)	(450)
21-Jun-2019	The Vanguard Group, Inc.	SELL	25.95	Ordinary	(1,096)	(1,096)
25-Jun-2019	The Vanguard Group, Inc.	SELL	25.81	Ordinary	(450)	(450)
3-Jul-2019	The Vanguard Group, Inc.	BUY	26.34	Ordinary	12,926	12,926
5-Jul-2019	The Vanguard Group, Inc.	BUY	27.03	Ordinary	1,068	1,068
15-Jul-2019	The Vanguard Group, Inc.	BUY	28.76	Ordinary	1,602	1,602
22-Jul-2019	The Vanguard Group, Inc.	BUY	29.61	Ordinary	1,335	1,335
22-Jul-2019	The Vanguard Group, Inc.	BUY	29.61	Ordinary	1,335	1,335
30-Jul-2019	The Vanguard Group, Inc.	SELL	30.45	Ordinary	(600)	(600)
1-Aug-2019	The Vanguard Group, Inc.	BUY	30.24	Ordinary	2,403	2,403
5-Aug-2019	The Vanguard Group, Inc.	SELL	28.29	Ordinary	(1,914)	(1,914)
5-Aug-2019	The Vanguard Group, Inc.	SELL	28.29	Ordinary	(1,914)	(1,914)
8-Aug-2019	The Vanguard Group, Inc.	SELL	28.00	Ordinary	(750)	(750)
13-Aug-2019	The Vanguard Group, Inc.	SELL	31.05	Ordinary	(1,050)	(1,050)
15-Aug-2019	The Vanguard Group, Inc.	SELL	30.99	Ordinary	(900)	(900)
19-Aug-2019	The Vanguard Group, Inc.	SELL	32.12	Ordinary	(638)	(638)
19-Aug-2019	The Vanguard Group, Inc.	SELL	32.06	Ordinary	(191)	(191)
4-Sep-2019	The Vanguard Group, Inc.	SELL	32.79	Ordinary	(638)	(638)
4-Sep-2019	The Vanguard Group, Inc.	BUY	32.71	Ordinary	2,210	2,210
16-Sep-2019	The Vanguard Group, Inc.	BUY	34.30	Ordinary	450	450
18-Sep-2019	The Vanguard Group, Inc.	BUY	34.23	Ordinary	22,780	22,780
18-Sep-2019	The Vanguard Group, Inc.	SELL	34.40	Ordinary	(1,276)	(1,276)
20-Sep-2019	The Vanguard Group, Inc.	SELL	34.83	Ordinary	(5,100)	(5,100)
24-Sep-2019	The Vanguard Group, Inc.	BUY	34.63	Ordinary	2,693	2,693
27-Sep-2019	The Vanguard Group, Inc.	SELL	34.66	Ordinary	(1,286)	(1,286)
4-Oct-2019	The Vanguard Group, Inc.	BUY	34.24	Ordinary	2,424	2,424
25-Oct-2019	The Vanguard Group, Inc.	SELL	37.20	Ordinary	(1,800)	(1,800)
25-Oct-2019	The Vanguard Group, Inc.	BUY	37.19	Ordinary	1,279	1,279
28-Oct-2019	The Vanguard Group, Inc.	BUY	37.24	Ordinary	2,402	2,402
29-Oct-2019	The Vanguard Group, Inc.	SELL	37.41	Ordinary	(600)	(600)
1-Nov-2019	The Vanguard Group, Inc.	BUY	36.94	Ordinary	25	25
22-Nov-2019	The Vanguard Group, Inc.	BUY	36.40	Ordinary	81	81
2-Dec-2019	The Vanguard Group, Inc.	BUY	37.01	Ordinary	2,884	2,884
4-Dec-2019	The Vanguard Group, Inc.	BUY	36.75	Ordinary	1,032	1,032
11-Dec-2019	The Vanguard Group, Inc.	BUY	37.31	Ordinary	1,984	1,984
20-Dec-2019	The Vanguard Group, Inc.	SELL	39.58	Ordinary	(4,198)	(4,198)
20-Dec-2019	The Vanguard Group, Inc.	BUY	39.64	Ordinary	720	720
23-Dec-2019	The Vanguard Group, Inc.	BUY	39.21	Ordinary	2,716	2,716
23-Dec-2019	The Vanguard Group, Inc.	BUY	39.21	Ordinary	582	582
24-Dec-2019	The Vanguard Group, Inc.	BUY	39.80	Ordinary	1,164	1,164
26-Dec-2019	The Vanguard Group, Inc.	BUY	39.83	Ordinary	2,835	2,835
27-Dec-2019	The Vanguard Group, Inc.	BUY	39.47	Ordinary	1,880	1,880
30-Dec-2019	The Vanguard Group, Inc.	SELL	39.24	Ordinary	(3,619)	(3,619)
3-Jan-2020	The Vanguard Group, Inc.	BUY	38.46	Ordinary	6,824	6,824
7-Jan-2020	The Vanguard Group, Inc.	BUY	39.23	Ordinary	341	341
9-Jan-2020	The Vanguard Group, Inc.	BUY	40.21	Ordinary	3,402	3,402
15-Jan-2020	The Vanguard Group, Inc.	BUY	41.03	Ordinary	1,512	1,512
16-Jan-2020	The Vanguard Group, Inc.	BUY	41.45	Ordinary	1,701	1,701
17-Jan-2020	The Vanguard Group, Inc.	BUY	41.14	Ordinary	1,512	1,512
17-Jan-2020	The Vanguard Group, Inc.	BUY	41.14	Ordinary	1,701	1,701
20-Jan-2020	The Vanguard Group, Inc.	BUY	40.58	Ordinary	2,658	2,658
22-Jan-2020	The Vanguard Group, Inc.	BUY	40.81	Ordinary	1,134	1,134
23-Jan-2020	The Vanguard Group, Inc.	BUY	41.06	Ordinary	945	945
23-Jan-2020	The Vanguard Group, Inc.	BUY	41.00	Ordinary	1,810	1,810
24-Jan-2020	The Vanguard Group, Inc.	BUY	41.21	Ordinary	626	626
28-Jan-2020	The Vanguard Group, Inc.	BUY	40.50	Ordinary	1,112	1,112
31-Jan-2020	The Vanguard Group, Inc.	BUY	39.29	Ordinary	1,134	1,134
31-Jan-2020	The Vanguard Group, Inc.	BUY	39.29	Ordinary	1,134	1,134
31-Jan-2020	The Vanguard Group, Inc.	BUY	39.66	Ordinary	738	738
31-Jan-2020	The Vanguard Group, Inc.	BUY	39.66	Ordinary	948	948
4-Feb-2020	The Vanguard Group, Inc.	BUY	41.34	Ordinary	15,158	15,158
5-Feb-2020	The Vanguard Group, Inc.	BUY	41.36	Ordinary	3,591	3,591
5-Feb-2020	The Vanguard Group, Inc.	BUY	41.36	Ordinary	1,323	1,323
10-Feb-2020	The Vanguard Group, Inc.	BUY	44.90	Ordinary	1,701	1,701
11-Feb-2020	The Vanguard Group, Inc.	BUY	42.92	Ordinary	1,134	1,134
13-Feb-2020	The Vanguard Group, Inc.	BUY	41.56	Ordinary	2,353	2,353
14-Feb-2020	The Vanguard Group, Inc.	BUY	41.56	Ordinary	1,086	1,086
19-Feb-2020	The Vanguard Group, Inc.	BUY	41.71	Ordinary	900	900
19-Feb-2020	The Vanguard Group, Inc.	SELL	41.45	Ordinary	(36,343)	(36,343)
21-Feb-2020	The Vanguard Group, Inc.	BUY	40.12	Ordinary	1,440	1,440
21-Feb-2020	The Vanguard Group, Inc.	BUY	40.27	Ordinary	14,760	14,760
24-Feb-2020	The Vanguard Group, Inc.	SELL	37.89	Ordinary	(720)	(720)
25-Feb-2020	The Vanguard Group, Inc.	BUY	36.57	Ordinary	1,080	1,080
25-Feb-2020	The Vanguard Group, Inc.	SELL	36.57	Ordinary	(288)	(288)
27-Feb-2020	The Vanguard Group, Inc.	BUY	37.06	Ordinary	16,839	16,839
2-Mar-2020	The Vanguard Group, Inc.	SELL	36.88	Ordinary	(1,440)	(1,440)

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4-Mar-2020	The Vanguard Group, Inc.	SELL	35.50	Ordinary	(2,617)	(2,617)
4-Mar-2020	The Vanguard Group, Inc.	BUY	35.48	Ordinary	4,874	4,874
4-Mar-2020	The Vanguard Group, Inc.	BUY	35.09	Ordinary	19	19
6-Mar-2020	The Vanguard Group, Inc.	SELL	34.20	Ordinary	(1,080)	(1,080)
10-Mar-2020	The Vanguard Group, Inc.	SELL	34.04	Ordinary	(900)	(900)
10-Mar-2020	The Vanguard Group, Inc.	BUY	34.04	Ordinary	1,102	1,102
10-Mar-2020	The Vanguard Group, Inc.	BUY	32.26	Ordinary	17,612	17,612
11-Mar-2020	The Vanguard Group, Inc.	SELL	33.43	Ordinary	(540)	(540)
12-Mar-2020	The Vanguard Group, Inc.	SELL	30.07	Ordinary	(1,980)	(1,980)
13-Mar-2020	The Vanguard Group, Inc.	BUY	34.44	Ordinary	2,204	2,204
13-Mar-2020	The Vanguard Group, Inc.	BUY	28.33	Ordinary	18,581	18,581
16-Mar-2020	The Vanguard Group, Inc.	SELL	29.28	Ordinary	(432)	(432)
17-Mar-2020	The Vanguard Group, Inc.	SELL	31.48	Ordinary	(1,440)	(1,440)
17-Mar-2020	The Vanguard Group, Inc.	SELL	31.48	Ordinary	(1,800)	(1,800)
17-Mar-2020	The Vanguard Group, Inc.	SELL	31.48	Ordinary	(576)	(576)
17-Mar-2020	The Vanguard Group, Inc.	BUY	30.73	Ordinary	20,837	20,837
18-Mar-2020	The Vanguard Group, Inc.	BUY	29.88	Ordinary	1,653	1,653
19-Mar-2020	The Vanguard Group, Inc.	BUY	29.50	Ordinary	34,622	34,622
19-Mar-2020	The Vanguard Group, Inc.	BUY	27.57	Ordinary	189	189
20-Mar-2020	The Vanguard Group, Inc.	SELL	27.70	Ordinary	(10,296)	(10,296)
20-Mar-2020	The Vanguard Group, Inc.	SELL	27.70	Ordinary	(315,851)	(315,851)
20-Mar-2020	The Vanguard Group, Inc.	BUY	27.58	Ordinary	11,635	11,635
20-Mar-2020	The Vanguard Group, Inc.	BUY	27.58	Ordinary	23,522	23,522
20-Mar-2020	The Vanguard Group, Inc.	BUY	27.58	Ordinary	11,766	11,766
20-Mar-2020	The Vanguard Group, Inc.	BUY	27.58	Ordinary	1,177	1,177
20-Mar-2020	The Vanguard Group, Inc.	BUY	27.58	Ordinary	146,536	146,536
20-Mar-2020	The Vanguard Group, Inc.	SELL	27.48	Ordinary	(720)	(720)
20-Mar-2020	The Vanguard Group, Inc.	BUY	27.58	Ordinary	1,197	1,197
20-Mar-2020	The Vanguard Group, Inc.	BUY	27.58	Ordinary	5,034	5,034
20-Mar-2020	The Vanguard Group, Inc.	BUY	27.58	Ordinary	3,980	3,980
20-Mar-2020	The Vanguard Group, Inc.	BUY	27.58	Ordinary	28,175	28,175
20-Mar-2020	The Vanguard Group, Inc.	BUY	27.58	Ordinary	3,571	3,571
20-Mar-2020	The Vanguard Group, Inc.	BUY	27.58	Ordinary	2,971	2,971
23-Mar-2020	The Vanguard Group, Inc.	BUY	24.61	Ordinary	220	220
23-Mar-2020	The Vanguard Group, Inc.	SELL	24.77	Ordinary	(576)	(576)
25-Mar-2020	The Vanguard Group, Inc.	BUY	24.96	Ordinary	25,163	25,163
26-Mar-2020	The Vanguard Group, Inc.	BUY	24.09	Ordinary	12,620	12,620
26-Mar-2020	The Vanguard Group, Inc.	SELL	26.83	Ordinary	(432)	(432)
27-Mar-2020	The Vanguard Group, Inc.	BUY	24.29	Ordinary	7,226	7,226
30-Mar-2020	The Vanguard Group, Inc.	BUY	26.85	Ordinary	217	217
1-Apr-2020	The Vanguard Group, Inc.	BUY	30.99	Ordinary	515	515
1-Apr-2020	The Vanguard Group, Inc.	BUY	30.99	Ordinary	434	434
1-Apr-2020	The Vanguard Group, Inc.	BUY	29.09	Ordinary	6,757	6,757
7-Apr-2020	The Vanguard Group, Inc.	BUY	30.62	Ordinary	651	651
7-Apr-2020	The Vanguard Group, Inc.	BUY	30.62	Ordinary	2,084	2,084
7-Apr-2020	The Vanguard Group, Inc.	SELL	30.62	Ordinary	(70)	(70)
7-Apr-2020	The Vanguard Group, Inc.	BUY	31.81	Ordinary	4,594	4,594
8-Apr-2020	The Vanguard Group, Inc.	BUY	30.13	Ordinary	5,354	5,354
15-Apr-2020	The Vanguard Group, Inc.	SELL	33.36	Ordinary	(720)	(720)
15-Apr-2020	The Vanguard Group, Inc.	SELL	33.36	Ordinary	(1,620)	(1,620)
15-Apr-2020	The Vanguard Group, Inc.	SELL	33.36	Ordinary	(1,440)	(1,440)
15-Apr-2020	The Vanguard Group, Inc.	BUY	33.91	Ordinary	72	72
16-Apr-2020	The Vanguard Group, Inc.	BUY	32.28	Ordinary	217	217
16-Apr-2020	The Vanguard Group, Inc.	SELL	32.28	Ordinary	(2,233)	(2,233)
22-Apr-2020	The Vanguard Group, Inc.	SELL	33.34	Ordinary	(1,936)	(1,936)
30-Apr-2020	The Vanguard Group, Inc.	SELL	34.69	Ordinary	(1,620)	(1,620)
1-May-2020	The Vanguard Group, Inc.	SELL	34.26	Ordinary	(2,160)	(2,160)
1-May-2020	The Vanguard Group, Inc.	SELL	34.26	Ordinary	(572)	(572)
6-May-2020	The Vanguard Group, Inc.	BUY	35.10	Ordinary	554	554
7-May-2020	The Vanguard Group, Inc.	BUY	34.69	Ordinary	410	410
8-May-2020	The Vanguard Group, Inc.	SELL	35.22	Ordinary	(1,001)	(1,001)
13-May-2020	The Vanguard Group, Inc.	BUY	35.03	Ordinary	217	217
13-May-2020	The Vanguard Group, Inc.	BUY	35.03	Ordinary	2,643	2,643
14-May-2020	The Vanguard Group, Inc.	SELL	34.73	Ordinary	(876)	(876)
15-May-2020	The Vanguard Group, Inc.	BUY	34.29	Ordinary	7,999	7,999
15-May-2020	The Vanguard Group, Inc.	BUY	34.29	Ordinary	217	217
15-May-2020	The Vanguard Group, Inc.	BUY	34.29	Ordinary	4,006	4,006
18-May-2020	The Vanguard Group, Inc.	SELL	34.15	Ordinary	(31,539)	(31,539)
21-May-2020	The Vanguard Group, Inc.	BUY	35.64	Ordinary	217	217
22-May-2020	The Vanguard Group, Inc.	BUY	35.15	Ordinary	473	473
28-May-2020	The Vanguard Group, Inc.	BUY	37.55	Ordinary	1,716	1,716
29-May-2020	The Vanguard Group, Inc.	SELL	37.21	Ordinary	(558)	(558)
1-Jun-2020	The Vanguard Group, Inc.	BUY	38.00	Ordinary	715	715
2-Jun-2020	The Vanguard Group, Inc.	BUY	38.94	Ordinary	2,145	2,145
4-Jun-2020	The Vanguard Group, Inc.	BUY	40.40	Ordinary	715	715
9-Jun-2020	The Vanguard Group, Inc.	SELL	41.17	Ordinary	(1,800)	(1,800)



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9-Jun-2020	The Vanguard Group, Inc.	BUY	40.31	Ordinary	218	218
9-Jun-2020	The Vanguard Group, Inc.	SELL	40.04	Ordinary	(618)	(618)
9-Jun-2020	The Vanguard Group, Inc.	SELL	40.30	Ordinary	(14,199)	(14,199)
9-Jun-2020	The Vanguard Group, Inc.	BUY	40.31	Ordinary	68	68
10-Jun-2020	The Vanguard Group, Inc.	SELL	42.00	Ordinary	(5,692)	(5,692)
10-Jun-2020	The Vanguard Group, Inc.	SELL	42.00	Ordinary	(1,716)	(1,716)
11-Jun-2020	The Vanguard Group, Inc.	SELL	39.00	Ordinary	(720)	(720)
11-Jun-2020	The Vanguard Group, Inc.	SELL	39.00	Ordinary	(1,800)	(1,800)
11-Jun-2020	The Vanguard Group, Inc.	SELL	39.00	Ordinary	(1,080)	(1,080)
11-Jun-2020	The Vanguard Group, Inc.	BUY	39.00	Ordinary	715	715
15-Jun-2020	The Vanguard Group, Inc.	SELL	38.93	Ordinary	(1,080)	(1,080)
18-Jun-2020	The Vanguard Group, Inc.	BUY	41.90	Ordinary	245	245
19-Jun-2020	The Vanguard Group, Inc.	SELL	39.98	Ordinary	(1,653)	(1,653)
19-Jun-2020	The Vanguard Group, Inc.	BUY	39.41	Ordinary	237	237
19-Jun-2020	The Vanguard Group, Inc.	SELL	39.75	Ordinary	(721)	(721)
19-Jun-2020	The Vanguard Group, Inc.	SELL	39.98	Ordinary	(2,721)	(2,721)
19-Jun-2020	The Vanguard Group, Inc.	BUY	39.41	Ordinary	8,880	8,880
19-Jun-2020	The Vanguard Group, Inc.	SELL	39.98	Ordinary	(3,263)	(3,263)
19-Jun-2020	The Vanguard Group, Inc.	SELL	39.98	Ordinary	(660)	(660)
22-Jun-2020	The Vanguard Group, Inc.	BUY	39.34	Ordinary	277	277
22-Jun-2020	The Vanguard Group, Inc.	BUY	38.86	Ordinary	909	909
22-Jun-2020	The Vanguard Group, Inc.	BUY	39.34	Ordinary	10,348	10,348
22-Jun-2020	The Vanguard Group, Inc.	BUY	39.34	Ordinary	4	4
23-Jun-2020	The Vanguard Group, Inc.	SELL	40.52	Ordinary	(3,645)	(3,645)
24-Jun-2020	The Vanguard Group, Inc.	SELL	41.19	Ordinary	(1,026)	(1,026)
24-Jun-2020	The Vanguard Group, Inc.	BUY	41.87	Ordinary	61	61
24-Jun-2020	The Vanguard Group, Inc.	SELL	41.19	Ordinary	(1,030)	(1,030)
24-Jun-2020	The Vanguard Group, Inc.	SELL	41.19	Ordinary	(309)	(309)
29-Jun-2020	The Vanguard Group, Inc.	BUY	42.91	Ordinary	120	120
30-Jun-2020	The Vanguard Group, Inc.	SELL	43.36	Ordinary	(855)	(855)
1-Jul-2020	The Vanguard Group, Inc.	BUY	42.80	Ordinary	60	60
2-Jul-2020	The Vanguard Group, Inc.	BUY	43.22	Ordinary	844	844
7-Jul-2020	The Vanguard Group, Inc.	BUY	43.50	Ordinary	585	585
9-Jul-2020	The Vanguard Group, Inc.	BUY	42.45	Ordinary	170	170
10-Jul-2020	The Vanguard Group, Inc.	SELL	42.59	Ordinary	(24,559)	(24,559)
14-Jul-2020	The Vanguard Group, Inc.	SELL	42.47	Ordinary	(1,819)	(1,819)
14-Jul-2020	The Vanguard Group, Inc.	SELL	42.47	Ordinary	(5,795)	(5,795)
15-Jul-2020	The Vanguard Group, Inc.	SELL	43.21	Ordinary	(1,680)	(1,680)
15-Jul-2020	The Vanguard Group, Inc.	SELL	43.21	Ordinary	(560)	(560)
15-Jul-2020	The Vanguard Group, Inc.	SELL	43.11	Ordinary	(13,412)	(13,412)
22-Jul-2020	The Vanguard Group, Inc.	SELL	43.21	Ordinary	(1,940)	(1,940)
24-Jul-2020	The Vanguard Group, Inc.	SELL	44.18	Ordinary	(12,976)	(12,976)
30-Jul-2020	The Vanguard Group, Inc.	BUY	45.59	Ordinary	124	124
31-Jul-2020	The Vanguard Group, Inc.	BUY	45.85	Ordinary	6,277	6,277
3-Aug-2020	The Vanguard Group, Inc.	BUY	44.62	Ordinary	648	648
3-Aug-2020	The Vanguard Group, Inc.	BUY	45.21	Ordinary	1,025	1,025
11-Aug-2020	The Vanguard Group, Inc.	BUY	45.36	Ordinary	425	425
13-Aug-2020	The Vanguard Group, Inc.	BUY	46.40	Ordinary	126	126
13-Aug-2020	The Vanguard Group, Inc.	SELL	46.40	Ordinary	(515)	(515)
13-Aug-2020	The Vanguard Group, Inc.	SELL	46.40	Ordinary	(560)	(560)
17-Aug-2020	The Vanguard Group, Inc.	BUY	49.65	Ordinary	2,052	2,052
17-Aug-2020	The Vanguard Group, Inc.	BUY	49.65	Ordinary	1,539	1,539
21-Aug-2020	The Vanguard Group, Inc.	BUY	51.04	Ordinary	412	412
21-Aug-2020	The Vanguard Group, Inc.	SELL	50.94	Ordinary	(275)	(275)
26-Aug-2020	The Vanguard Group, Inc.	BUY	52.58	Ordinary	85	85
27-Aug-2020	The Vanguard Group, Inc.	BUY	51.85	Ordinary	855	855
31-Aug-2020	The Vanguard Group, Inc.	BUY	49.96	Ordinary	172	172
31-Aug-2020	The Vanguard Group, Inc.	BUY	51.15	Ordinary	55	55
4-Sep-2020	The Vanguard Group, Inc.	BUY	49.67	Ordinary	2,673	2,673
8-Sep-2020	The Vanguard Group, Inc.	BUY	47.30	Ordinary	49	49
16-Sep-2020	The Vanguard Group, Inc.	BUY	47.57	Ordinary	174	174
17-Sep-2020	The Vanguard Group, Inc.	BUY	47.26	Ordinary	49	49
18-Sep-2020	The Vanguard Group, Inc.	SELL	47.05	Ordinary	(622)	(622)
18-Sep-2020	The Vanguard Group, Inc.	BUY	46.68	Ordinary	87	87
18-Sep-2020	The Vanguard Group, Inc.	BUY	47.05	Ordinary	1,049	1,049
18-Sep-2020	The Vanguard Group, Inc.	BUY	47.05	Ordinary	443	443
18-Sep-2020	The Vanguard Group, Inc.	BUY	47.05	Ordinary	2,402	2,402
21-Sep-2020	The Vanguard Group, Inc.	BUY	47.00	Ordinary	661	661
22-Sep-2020	The Vanguard Group, Inc.	BUY	47.37	Ordinary	174	174
30-Sep-2020	The Vanguard Group, Inc.	BUY	47.06	Ordinary	53	53
2-Oct-2020	The Vanguard Group, Inc.	BUY	46.48	Ordinary	1,026	1,026
5-Oct-2020	The Vanguard Group, Inc.	BUY	47.24	Ordinary	428	428
6-Oct-2020	The Vanguard Group, Inc.	BUY	46.70	Ordinary	87	87
7-Oct-2020	The Vanguard Group, Inc.	BUY	48.75	Ordinary	484	484
9-Oct-2020	The Vanguard Group, Inc.	BUY	49.73	Ordinary	2,223	2,223
9-Oct-2020	The Vanguard Group, Inc.	BUY	49.73	Ordinary	855	855

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22-Oct-2020	The Vanguard Group, Inc.	BUY	51.28	Ordinary	59	59
23-Oct-2020	The Vanguard Group, Inc.	SELL	50.83	Ordinary	(290)	(290)
23-Oct-2020	The Vanguard Group, Inc.	BUY	50.73	Ordinary	73	73
27-Oct-2020	The Vanguard Group, Inc.	BUY	49.41	Ordinary	430	430
28-Oct-2020	The Vanguard Group, Inc.	BUY	49.57	Ordinary	174	174
29-Oct-2020	The Vanguard Group, Inc.	BUY	47.52	Ordinary	87	87
2-Nov-2020	The Vanguard Group, Inc.	BUY	47.80	Ordinary	60	60
3-Nov-2020	The Vanguard Group, Inc.	BUY	48.44	Ordinary	279	279
12-Nov-2020	The Vanguard Group, Inc.	BUY	45.46	Ordinary	57	57
12-Nov-2020	The Vanguard Group, Inc.	BUY	45.46	Ordinary	1,841	1,841
16-Nov-2020	The Vanguard Group, Inc.	BUY	46.42	Ordinary	190	190
18-Nov-2020	The Vanguard Group, Inc.	BUY	45.19	Ordinary	190	190
20-Nov-2020	The Vanguard Group, Inc.	BUY	45.90	Ordinary	603	603
24-Nov-2020	The Vanguard Group, Inc.	BUY	46.15	Ordinary	59	59
25-Nov-2020	The Vanguard Group, Inc.	BUY	45.39	Ordinary	2,948	2,948
26-Nov-2020	The Vanguard Group, Inc.	BUY	45.78	Ordinary	428	428
30-Nov-2020	The Vanguard Group, Inc.	BUY	45.71	Ordinary	60	60
2-Dec-2020	The Vanguard Group, Inc.	BUY	45.30	Ordinary	904	904
3-Dec-2020	The Vanguard Group, Inc.	BUY	45.58	Ordinary	1,220	1,220
4-Dec-2020	The Vanguard Group, Inc.	BUY	45.00	Ordinary	62	62
7-Dec-2020	The Vanguard Group, Inc.	BUY	43.97	Ordinary	215	215
7-Dec-2020	The Vanguard Group, Inc.	BUY	43.99	Ordinary	210	210
7-Dec-2020	The Vanguard Group, Inc.	BUY	43.99	Ordinary	315	315
8-Dec-2020	The Vanguard Group, Inc.	BUY	43.05	Ordinary	1,260	1,260
8-Dec-2020	The Vanguard Group, Inc.	BUY	43.01	Ordinary	1,615	1,615
9-Dec-2020	The Vanguard Group, Inc.	BUY	43.65	Ordinary	420	420
11-Dec-2020	The Vanguard Group, Inc.	BUY	44.06	Ordinary	315	315
15-Dec-2020	The Vanguard Group, Inc.	BUY	46.55	Ordinary	980	980
16-Dec-2020	The Vanguard Group, Inc.	BUY	46.70	Ordinary	215	215
16-Dec-2020	The Vanguard Group, Inc.	BUY	46.70	Ordinary	59	59
18-Dec-2020	The Vanguard Group, Inc.	SELL	48.00	Ordinary	(10,302)	(10,302)
18-Dec-2020	The Vanguard Group, Inc.	BUY	48.00	Ordinary	214	214
18-Dec-2020	The Vanguard Group, Inc.	BUY	48.00	Ordinary	128	128
18-Dec-2020	The Vanguard Group, Inc.	BUY	48.00	Ordinary	512	512
18-Dec-2020	The Vanguard Group, Inc.	SELL	48.00	Ordinary	(719)	(719)
18-Dec-2020	The Vanguard Group, Inc.	BUY	48.00	Ordinary	98	98
21-Dec-2020	The Vanguard Group, Inc.	BUY	48.38	Ordinary	214	214
22-Dec-2020	The Vanguard Group, Inc.	BUY	47.80	Ordinary	512	512
22-Dec-2020	The Vanguard Group, Inc.	BUY	47.80	Ordinary	700	700
23-Dec-2020	The Vanguard Group, Inc.	SELL	48.05	Ordinary	(311)	(311)
24-Dec-2020	The Vanguard Group, Inc.	BUY	48.32	Ordinary	213	213
29-Dec-2020	The Vanguard Group, Inc.	BUY	48.23	Ordinary	198	198
30-Dec-2020	The Vanguard Group, Inc.	BUY	48.73	Ordinary	99	99
31-Dec-2020	The Vanguard Group, Inc.	SELL	48.70	Ordinary	(1,573)	(1,573)
31-Dec-2020	The Vanguard Group, Inc.	BUY	48.70	Ordinary	1,573	1,573
5-Jan-2021	The Vanguard Group, Inc.	BUY	49.25	Ordinary	215	215
5-Jan-2021	The Vanguard Group, Inc.	BUY	49.37	Ordinary	768	768
5-Jan-2021	The Vanguard Group, Inc.	BUY	49.25	Ordinary	1,598	1,598
18-Dec-2017	Vanguard Investments Australia Ltd.	BUY	25.08	Ordinary	300,000	300,000
19-Dec-2017	Vanguard Investments Australia Ltd.	BUY	24.93	Ordinary	2,876	2,876
19-Dec-2017	Vanguard Investments Australia Ltd.	BUY	24.83	Ordinary	39,717	39,717
20-Dec-2017	Vanguard Investments Australia Ltd.	BUY	24.79	Ordinary	2,870	2,870
20-Dec-2017	Vanguard Investments Australia Ltd.	BUY	24.74	Ordinary	46,922	46,922
20-Dec-2017	Vanguard Investments Australia Ltd.	BUY	24.79	Ordinary	801	801
21-Dec-2017	Vanguard Investments Australia Ltd.	BUY	24.79	Ordinary	2,876	2,876
21-Dec-2017	Vanguard Investments Australia Ltd.	BUY	24.79	Ordinary	60,439	60,439
22-Dec-2017	Vanguard Investments Australia Ltd.	BUY	24.83	Ordinary	48,566	48,566
27-Dec-2017	Vanguard Investments Australia Ltd.	BUY	25.19	Ordinary	2,157	2,157
28-Dec-2017	Vanguard Investments Australia Ltd.	BUY	25.08	Ordinary	4,778	4,778
29-Dec-2017	Vanguard Investments Australia Ltd.	SELL	24.94	Ordinary	(530)	(530)
4-Jan-2018	Vanguard Investments Australia Ltd.	BUY	25.55	Ordinary	1,707	1,707
4-Jan-2018	Vanguard Investments Australia Ltd.	BUY	25.55	Ordinary	3,565	3,565
10-Jan-2018	Vanguard Investments Australia Ltd.	SELL	26.80	Ordinary	(1,157)	(1,157)
12-Jan-2018	Vanguard Investments Australia Ltd.	BUY	28.36	Ordinary	2,139	2,139
16-Jan-2018	Vanguard Investments Australia Ltd.	BUY	28.51	Ordinary	7,887	7,887
16-Jan-2018	Vanguard Investments Australia Ltd.	BUY	28.51	Ordinary	890	890
19-Jan-2018	Vanguard Investments Australia Ltd.	BUY	27.89	Ordinary	5,059	5,059
24-Jan-2018	Vanguard Investments Australia Ltd.	BUY	28.03	Ordinary	3,414	3,414
24-Jan-2018	Vanguard Investments Australia Ltd.	BUY	28.03	Ordinary	623	623
25-Jan-2018	Vanguard Investments Australia Ltd.	SELL	28.40	Ordinary	(3,813)	(3,813)
25-Jan-2018	Vanguard Investments Australia Ltd.	BUY	28.40	Ordinary	4,598	4,598
25-Jan-2018	Vanguard Investments Australia Ltd.	BUY	28.40	Ordinary	4,309	4,309
29-Jan-2018	Vanguard Investments Australia Ltd.	BUY	28.82	Ordinary	534	534
31-Jan-2018	Vanguard Investments Australia Ltd.	BUY	29.16	Ordinary	681	681
1-Feb-2018	Vanguard Investments Australia Ltd.	BUY	29.03	Ordinary	2,139	2,139
1-Feb-2018	Vanguard Investments Australia Ltd.	SELL	29.03	Ordinary	(6,764)	(6,764)

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6-Feb-2018	Vanguard Investments Australia Ltd.	BUY	27.20	Ordinary	2,139	2,139
6-Feb-2018	Vanguard Investments Australia Ltd.	BUY	27.20	Ordinary	534	534
8-Feb-2018	Vanguard Investments Australia Ltd.	BUY	27.98	Ordinary	2,139	2,139
9-Feb-2018	Vanguard Investments Australia Ltd.	BUY	28.11	Ordinary	1,068	1,068
14-Feb-2018	Vanguard Investments Australia Ltd.	BUY	26.77	Ordinary	2,872	2,872
20-Feb-2018	Vanguard Investments Australia Ltd.	BUY	27.57	Ordinary	1,068	1,068
23-Feb-2018	Vanguard Investments Australia Ltd.	SELL	26.92	Ordinary	(1,667)	(1,667)
26-Feb-2018	Vanguard Investments Australia Ltd.	BUY	27.22	Ordinary	2,872	2,872
26-Feb-2018	Vanguard Investments Australia Ltd.	BUY	27.22	Ordinary	4,463	4,463
1-Mar-2018	Vanguard Investments Australia Ltd.	BUY	26.11	Ordinary	855	855
2-Mar-2018	Vanguard Investments Australia Ltd.	BUY	25.98	Ordinary	3,610	3,610
7-Mar-2018	Vanguard Investments Australia Ltd.	BUY	26.07	Ordinary	1,444	1,444
9-Mar-2018	Vanguard Investments Australia Ltd.	BUY	26.28	Ordinary	3,610	3,610
13-Mar-2018	Vanguard Investments Australia Ltd.	BUY	25.77	Ordinary	475	475
15-Mar-2018	Vanguard Investments Australia Ltd.	BUY	25.85	Ordinary	1,719	1,719
15-Mar-2018	Vanguard Investments Australia Ltd.	BUY	25.85	Ordinary	692	692
16-Mar-2018	Vanguard Investments Australia Ltd.	SELL	26.20	Ordinary	(2,427)	(2,427)
20-Mar-2018	Vanguard Investments Australia Ltd.	BUY	26.06	Ordinary	7,811	7,811
21-Mar-2018	Vanguard Investments Australia Ltd.	BUY	26.40	Ordinary	588	588
22-Mar-2018	Vanguard Investments Australia Ltd.	BUY	26.22	Ordinary	1,444	1,444
22-Mar-2018	Vanguard Investments Australia Ltd.	BUY	26.22	Ordinary	2,166	2,166
23-Mar-2018	Vanguard Investments Australia Ltd.	BUY	25.59	Ordinary	2,888	2,888
26-Mar-2018	Vanguard Investments Australia Ltd.	BUY	25.76	Ordinary	2,296	2,296
27-Mar-2018	Vanguard Investments Australia Ltd.	BUY	25.89	Ordinary	9,733	9,733
27-Mar-2018	Vanguard Investments Australia Ltd.	BUY	25.89	Ordinary	4,066	4,066
27-Mar-2018	Vanguard Investments Australia Ltd.	BUY	25.91	Ordinary	1,078	1,078
28-Mar-2018	Vanguard Investments Australia Ltd.	BUY	25.80	Ordinary	1,444	1,444
29-Mar-2018	Vanguard Investments Australia Ltd.	BUY	25.81	Ordinary	2,888	2,888
29-Mar-2018	Vanguard Investments Australia Ltd.	SELL	25.81	Ordinary	(7,449)	(7,449)
3-Apr-2018	Vanguard Investments Australia Ltd.	BUY	25.30	Ordinary	4,528	4,528
3-Apr-2018	Vanguard Investments Australia Ltd.	SELL	25.30	Ordinary	(1,158)	(1,158)
5-Apr-2018	Vanguard Investments Australia Ltd.	BUY	25.92	Ordinary	4,838	4,838
5-Apr-2018	Vanguard Investments Australia Ltd.	BUY	25.99	Ordinary	2,130	2,130
5-Apr-2018	Vanguard Investments Australia Ltd.	BUY	25.99	Ordinary	1,128	1,128
11-Apr-2018	Vanguard Investments Australia Ltd.	BUY	26.00	Ordinary	2,130	2,130
19-Apr-2018	Vanguard Investments Australia Ltd.	BUY	25.90	Ordinary	1,128	1,128
20-Apr-2018	Vanguard Investments Australia Ltd.	BUY	25.33	Ordinary	1,722	1,722
24-Apr-2018	Vanguard Investments Australia Ltd.	BUY	25.44	Ordinary	1,148	1,148
27-Apr-2018	Vanguard Investments Australia Ltd.	BUY	25.53	Ordinary	4,723	4,723
2-May-2018	Vanguard Investments Australia Ltd.	BUY	23.28	Ordinary	2,870	2,870
4-May-2018	Vanguard Investments Australia Ltd.	BUY	23.52	Ordinary	564	564
8-May-2018	Vanguard Investments Australia Ltd.	BUY	22.99	Ordinary	2,858	2,858
17-May-2018	Vanguard Investments Australia Ltd.	BUY	23.40	Ordinary	1,737	1,737
17-May-2018	Vanguard Investments Australia Ltd.	BUY	23.40	Ordinary	6,354	6,354
18-May-2018	Vanguard Investments Australia Ltd.	BUY	23.51	Ordinary	658	658
22-May-2018	Vanguard Investments Australia Ltd.	BUY	23.56	Ordinary	752	752
23-May-2018	Vanguard Investments Australia Ltd.	BUY	23.86	Ordinary	1,114	1,114
24-May-2018	Vanguard Investments Australia Ltd.	BUY	23.48	Ordinary	3,575	3,575
24-May-2018	Vanguard Investments Australia Ltd.	BUY	23.48	Ordinary	1,430	1,430
25-May-2018	Vanguard Investments Australia Ltd.	SELL	23.69	Ordinary	(1,115)	(1,115)
31-May-2018	Vanguard Investments Australia Ltd.	SELL	23.93	Ordinary	(3,505)	(3,505)
31-May-2018	Vanguard Investments Australia Ltd.	BUY	23.99	Ordinary	658	658
1-Jun-2018	Vanguard Investments Australia Ltd.	BUY	24.18	Ordinary	3,438	3,438
1-Jun-2018	Vanguard Investments Australia Ltd.	BUY	24.18	Ordinary	4,930	4,930
4-Jun-2018	Vanguard Investments Australia Ltd.	BUY	23.39	Ordinary	2,755	2,755
5-Jun-2018	Vanguard Investments Australia Ltd.	BUY	23.45	Ordinary	1,430	1,430
8-Jun-2018	Vanguard Investments Australia Ltd.	BUY	23.43	Ordinary	658	658
12-Jun-2018	Vanguard Investments Australia Ltd.	BUY	23.42	Ordinary	2,860	2,860
12-Jun-2018	Vanguard Investments Australia Ltd.	SELL	23.39	Ordinary	(55,421)	(55,421)
13-Jun-2018	Vanguard Investments Australia Ltd.	SELL	22.98	Ordinary	(3,918)	(3,918)
13-Jun-2018	Vanguard Investments Australia Ltd.	SELL	23.15	Ordinary	(58,757)	(58,757)
14-Jun-2018	Vanguard Investments Australia Ltd.	SELL	22.79	Ordinary	(73,134)	(73,134)
14-Jun-2018	Vanguard Investments Australia Ltd.	BUY	22.82	Ordinary	940	940
15-Jun-2018	Vanguard Investments Australia Ltd.	SELL	22.71	Ordinary	(125,199)	(125,199)
18-Jun-2018	Vanguard Investments Australia Ltd.	SELL	22.79	Ordinary	(89,913)	(89,913)
19-Jun-2018	Vanguard Investments Australia Ltd.	SELL	22.79	Ordinary	(107,102)	(107,102)
20-Jun-2018	Vanguard Investments Australia Ltd.	SELL	22.46	Ordinary	(84,277)	(84,277)
25-Jun-2018	Vanguard Investments Australia Ltd.	BUY	23.08	Ordinary	2,204	2,204
29-Jun-2018	Vanguard Investments Australia Ltd.	SELL	22.52	Ordinary	(827)	(827)
29-Jun-2018	Vanguard Investments Australia Ltd.	SELL	22.52	Ordinary	(6,622)	(6,622)
29-Jun-2018	Vanguard Investments Australia Ltd.	SELL	22.52	Ordinary	(5,381)	(5,381)
3-Jul-2018	Vanguard Investments Australia Ltd.	BUY	22.74	Ordinary	5,430	5,430
5-Jul-2018	Vanguard Investments Australia Ltd.	SELL	22.60	Ordinary	(1,940)	(1,940)
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	22.59	Ordinary	7,881	7,881
6-Jul-2018	Vanguard Investments Australia Ltd.	BUY	22.60	Ordinary	936	936
9-Jul-2018	Vanguard Investments Australia Ltd.	BUY	22.53	Ordinary	1,638	1,638

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16-Jul-2018	Vanguard Investments Australia Ltd.	BUY	23.53	Ordinary	624	624
18-Jul-2018	Vanguard Investments Australia Ltd.	SELL	23.65	Ordinary	(2,313)	(2,313)
19-Jul-2018	Vanguard Investments Australia Ltd.	BUY	23.79	Ordinary	5,239	5,239
20-Jul-2018	Vanguard Investments Australia Ltd.	BUY	23.70	Ordinary	1,067	1,067
23-Jul-2018	Vanguard Investments Australia Ltd.	BUY	23.37	Ordinary	1,638	1,638
2-Aug-2018	Vanguard Investments Australia Ltd.	BUY	22.66	Ordinary	2,184	2,184
2-Aug-2018	Vanguard Investments Australia Ltd.	BUY	22.66	Ordinary	873	873
3-Aug-2018	Vanguard Investments Australia Ltd.	BUY	22.74	Ordinary	5,503	5,503
13-Aug-2018	Vanguard Investments Australia Ltd.	BUY	23.38	Ordinary	2,184	2,184
15-Aug-2018	Vanguard Investments Australia Ltd.	BUY	26.17	Ordinary	582	582
20-Aug-2018	Vanguard Investments Australia Ltd.	SELL	26.21	Ordinary	(1,835)	(1,835)
21-Aug-2018	Vanguard Investments Australia Ltd.	BUY	26.00	Ordinary	970	970
30-Aug-2018	Vanguard Investments Australia Ltd.	BUY	26.06	Ordinary	1,641	1,641
31-Aug-2018	Vanguard Investments Australia Ltd.	BUY	26.33	Ordinary	657	657
31-Aug-2018	Vanguard Investments Australia Ltd.	BUY	26.40	Ordinary	1,641	1,641
3-Sep-2018	Vanguard Investments Australia Ltd.	SELL	25.86	Ordinary	(5,715)	(5,715)
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.87	Ordinary	1,067	1,067
4-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.87	Ordinary	9,907	9,907
7-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.00	Ordinary	3,928	3,928
10-Sep-2018	Vanguard Investments Australia Ltd.	BUY	24.92	Ordinary	970	970
13-Sep-2018	Vanguard Investments Australia Ltd.	BUY	24.70	Ordinary	844	844
17-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.18	Ordinary	1,067	1,067
18-Sep-2018	Vanguard Investments Australia Ltd.	BUY	24.70	Ordinary	1,650	1,650
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.02	Ordinary	4,337	4,337
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.02	Ordinary	2,184	2,184
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.02	Ordinary	8,288	8,288
21-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.02	Ordinary	1,101	1,101
26-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.25	Ordinary	564	564
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.51	Ordinary	5,676	5,676
27-Sep-2018	Vanguard Investments Australia Ltd.	BUY	25.34	Ordinary	7,238	7,238
28-Sep-2018	Vanguard Investments Australia Ltd.	SELL	25.19	Ordinary	(1,650)	(1,650)
28-Sep-2018	Vanguard Investments Australia Ltd.	SELL	25.19	Ordinary	(8,322)	(8,322)
1-Oct-2018	Vanguard Investments Australia Ltd.	BUY	25.00	Ordinary	1,785	1,785
1-Oct-2018	Vanguard Investments Australia Ltd.	BUY	25.00	Ordinary	819	819
8-Oct-2018	Vanguard Investments Australia Ltd.	BUY	24.16	Ordinary	1,650	1,650
8-Oct-2018	Vanguard Investments Australia Ltd.	BUY	24.16	Ordinary	819	819
9-Oct-2018	Vanguard Investments Australia Ltd.	BUY	24.45	Ordinary	1,071	1,071
10-Oct-2018	Vanguard Investments Australia Ltd.	BUY	25.05	Ordinary	858	858
11-Oct-2018	Vanguard Investments Australia Ltd.	BUY	24.56	Ordinary	1,092	1,092
12-Oct-2018	Vanguard Investments Australia Ltd.	BUY	24.65	Ordinary	1,071	1,071
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	25.11	Ordinary	1,071	1,071
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	25.11	Ordinary	1,547	1,547
17-Oct-2018	Vanguard Investments Australia Ltd.	BUY	25.11	Ordinary	8,790	8,790
23-Oct-2018	Vanguard Investments Australia Ltd.	BUY	24.59	Ordinary	1,650	1,650
23-Oct-2018	Vanguard Investments Australia Ltd.	SELL	24.59	Ordinary	(908)	(908)
23-Oct-2018	Vanguard Investments Australia Ltd.	BUY	24.59	Ordinary	1,071	1,071
23-Oct-2018	Vanguard Investments Australia Ltd.	BUY	24.59	Ordinary	1,428	1,428
24-Oct-2018	Vanguard Investments Australia Ltd.	BUY	23.57	Ordinary	1,164	1,164
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	22.88	Ordinary	6,625	6,625
25-Oct-2018	Vanguard Investments Australia Ltd.	SELL	22.88	Ordinary	(1,965)	(1,965)
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	22.88	Ordinary	1,100	1,100
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	22.88	Ordinary	1,428	1,428
25-Oct-2018	Vanguard Investments Australia Ltd.	BUY	22.88	Ordinary	1,358	1,358
29-Oct-2018	Vanguard Investments Australia Ltd.	BUY	22.61	Ordinary	1,428	1,428
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	23.00	Ordinary	1,568	1,568
31-Oct-2018	Vanguard Investments Australia Ltd.	BUY	23.00	Ordinary	294	294
1-Nov-2018	Vanguard Investments Australia Ltd.	BUY	23.07	Ordinary	184	184
2-Nov-2018	Vanguard Investments Australia Ltd.	BUY	23.25	Ordinary	1,274	1,274
5-Nov-2018	Vanguard Investments Australia Ltd.	BUY	23.30	Ordinary	5,385	5,385
6-Nov-2018	Vanguard Investments Australia Ltd.	BUY	23.47	Ordinary	5,378	5,378
12-Nov-2018	Vanguard Investments Australia Ltd.	BUY	24.05	Ordinary	1,196	1,196
13-Nov-2018	Vanguard Investments Australia Ltd.	BUY	23.87	Ordinary	1,653	1,653
19-Nov-2018	Vanguard Investments Australia Ltd.	SELL	23.24	Ordinary	(4,680)	(4,680)
22-Nov-2018	Vanguard Investments Australia Ltd.	BUY	23.23	Ordinary	1,080	1,080
22-Nov-2018	Vanguard Investments Australia Ltd.	BUY	23.23	Ordinary	1,080	1,080
22-Nov-2018	Vanguard Investments Australia Ltd.	BUY	23.23	Ordinary	1,372	1,372
27-Nov-2018	Vanguard Investments Australia Ltd.	BUY	23.54	Ordinary	1,653	1,653
29-Nov-2018	Vanguard Investments Australia Ltd.	BUY	23.38	Ordinary	1,078	1,078
30-Nov-2018	Vanguard Investments Australia Ltd.	SELL	23.18	Ordinary	(1,785)	(1,785)
3-Dec-2018	Vanguard Investments Australia Ltd.	BUY	23.40	Ordinary	1,274	1,274
4-Dec-2018	Vanguard Investments Australia Ltd.	BUY	22.86	Ordinary	19,694	19,694
4-Dec-2018	Vanguard Investments Australia Ltd.	BUY	22.86	Ordinary	20,239	20,239
6-Dec-2018	Vanguard Investments Australia Ltd.	BUY	22.59	Ordinary	1,083	1,083
7-Dec-2018	Vanguard Investments Australia Ltd.	BUY	22.86	Ordinary	6,531	6,531
10-Dec-2018	Vanguard Investments Australia Ltd.	BUY	22.17	Ordinary	1,444	1,444
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.80	Ordinary	1,083	1,083

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.80	Ordinary	1,940	1,940
11-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.80	Ordinary	1,164	1,164
12-Dec-2018	Vanguard Investments Australia Ltd.	BUY	22.59	Ordinary	79,338	79,338
14-Dec-2018	Vanguard Investments Australia Ltd.	SELL	22.30	Ordinary	(582)	(582)
18-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.95	Ordinary	1,444	1,444
18-Dec-2018	Vanguard Investments Australia Ltd.	SELL	22.22	Ordinary	(43,925)	(43,925)
19-Dec-2018	Vanguard Investments Australia Ltd.	SELL	22.06	Ordinary	(64,251)	(64,251)
20-Dec-2018	Vanguard Investments Australia Ltd.	SELL	22.16	Ordinary	(13,212)	(13,212)
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.98	Ordinary	2,408	2,408
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.96	Ordinary	1,083	1,083
21-Dec-2018	Vanguard Investments Australia Ltd.	SELL	22.03	Ordinary	(118,915)	(118,915)
21-Dec-2018	Vanguard Investments Australia Ltd.	BUY	21.98	Ordinary	10,847	10,847
27-Dec-2018	Vanguard Investments Australia Ltd.	BUY	22.15	Ordinary	576	576
8-Jan-2019	Vanguard Investments Australia Ltd.	SELL	21.41	Ordinary	(9,083)	(9,083)
8-Jan-2019	Vanguard Investments Australia Ltd.	BUY	21.41	Ordinary	1,030	1,030
11-Jan-2019	Vanguard Investments Australia Ltd.	BUY	21.58	Ordinary	1,200	1,200
14-Jan-2019	Vanguard Investments Australia Ltd.	BUY	21.26	Ordinary	1,617	1,617
18-Jan-2019	Vanguard Investments Australia Ltd.	BUY	21.63	Ordinary	2,597	2,597
21-Jan-2019	Vanguard Investments Australia Ltd.	SELL	21.66	Ordinary	(1,604)	(1,604)
21-Jan-2019	Vanguard Investments Australia Ltd.	BUY	21.66	Ordinary	669	669
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	22.38	Ordinary	420	420
30-Jan-2019	Vanguard Investments Australia Ltd.	BUY	22.32	Ordinary	5,937	5,937
1-Feb-2019	Vanguard Investments Australia Ltd.	BUY	22.73	Ordinary	6,256	6,256
4-Feb-2019	Vanguard Investments Australia Ltd.	BUY	22.91	Ordinary	5,047	5,047
5-Feb-2019	Vanguard Investments Australia Ltd.	SELL	22.84	Ordinary	(6,860)	(6,860)
7-Feb-2019	Vanguard Investments Australia Ltd.	BUY	22.82	Ordinary	2,156	2,156
12-Feb-2019	Vanguard Investments Australia Ltd.	BUY	23.11	Ordinary	1,080	1,080
13-Feb-2019	Vanguard Investments Australia Ltd.	BUY	22.98	Ordinary	7,057	7,057
19-Feb-2019	Vanguard Investments Australia Ltd.	BUY	23.91	Ordinary	1,078	1,078
25-Feb-2019	Vanguard Investments Australia Ltd.	BUY	21.74	Ordinary	3,620	3,620
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	21.44	Ordinary	1,620	1,620
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	21.44	Ordinary	11,986	11,986
26-Feb-2019	Vanguard Investments Australia Ltd.	BUY	21.44	Ordinary	980	980
5-Mar-2019	Vanguard Investments Australia Ltd.	BUY	22.30	Ordinary	6,272	6,272
11-Mar-2019	Vanguard Investments Australia Ltd.	SELL	23.97	Ordinary	(3,031)	(3,031)
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	24.09	Ordinary	497	497
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	24.08	Ordinary	4,159	4,159
15-Mar-2019	Vanguard Investments Australia Ltd.	SELL	24.10	Ordinary	(1,383)	(1,383)
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	24.09	Ordinary	543	543
15-Mar-2019	Vanguard Investments Australia Ltd.	BUY	24.08	Ordinary	4,550	4,550
29-Mar-2019	Vanguard Investments Australia Ltd.	SELL	24.95	Ordinary	(8,499)	(8,499)
1-Apr-2019	Vanguard Investments Australia Ltd.	SELL	25.20	Ordinary	(5,382)	(5,382)
1-Apr-2019	Vanguard Investments Australia Ltd.	BUY	25.20	Ordinary	5,830	5,830
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	24.97	Ordinary	1,130	1,130
2-Apr-2019	Vanguard Investments Australia Ltd.	BUY	24.97	Ordinary	686	686
8-Apr-2019	Vanguard Investments Australia Ltd.	BUY	24.69	Ordinary	784	784
9-Apr-2019	Vanguard Investments Australia Ltd.	BUY	24.47	Ordinary	32,439	32,439
16-Apr-2019	Vanguard Investments Australia Ltd.	BUY	25.29	Ordinary	6,313	6,313
26-Apr-2019	Vanguard Investments Australia Ltd.	SELL	25.59	Ordinary	(5,824)	(5,824)
30-Apr-2019	Vanguard Investments Australia Ltd.	BUY	25.77	Ordinary	1,260	1,260
1-May-2019	Vanguard Investments Australia Ltd.	BUY	25.51	Ordinary	593	593
1-May-2019	Vanguard Investments Australia Ltd.	BUY	25.56	Ordinary	3,864	3,864
1-May-2019	Vanguard Investments Australia Ltd.	BUY	25.51	Ordinary	808	808
1-May-2019	Vanguard Investments Australia Ltd.	BUY	25.56	Ordinary	5,242	5,242
1-May-2019	Vanguard Investments Australia Ltd.	BUY	25.51	Ordinary	1,084	1,084
1-May-2019	Vanguard Investments Australia Ltd.	BUY	25.56	Ordinary	7,042	7,042
6-May-2019	Vanguard Investments Australia Ltd.	BUY	25.20	Ordinary	3,626	3,626
10-May-2019	Vanguard Investments Australia Ltd.	BUY	25.43	Ordinary	1,148	1,148
10-May-2019	Vanguard Investments Australia Ltd.	BUY	25.44	Ordinary	945	945
16-May-2019	Vanguard Investments Australia Ltd.	BUY	25.38	Ordinary	5,764	5,764
17-May-2019	Vanguard Investments Australia Ltd.	BUY	25.58	Ordinary	8,378	8,378
17-May-2019	Vanguard Investments Australia Ltd.	BUY	25.58	Ordinary	1,080	1,080
21-May-2019	Vanguard Investments Australia Ltd.	BUY	26.86	Ordinary	1,080	1,080
22-May-2019	Vanguard Investments Australia Ltd.	BUY	27.68	Ordinary	4,569	4,569
27-May-2019	Vanguard Investments Australia Ltd.	SELL	27.92	Ordinary	(2,540)	(2,540)
28-May-2019	Vanguard Investments Australia Ltd.	SELL	28.28	Ordinary	(3,319)	(3,319)
28-May-2019	Vanguard Investments Australia Ltd.	BUY	28.28	Ordinary	1,080	1,080
29-May-2019	Vanguard Investments Australia Ltd.	SELL	28.31	Ordinary	(3,301)	(3,301)
29-May-2019	Vanguard Investments Australia Ltd.	BUY	28.25	Ordinary	1,044	1,044
30-May-2019	Vanguard Investments Australia Ltd.	BUY	28.17	Ordinary	5,553	5,553
3-Jun-2019	Vanguard Investments Australia Ltd.	SELL	27.82	Ordinary	(3,719)	(3,719)
3-Jun-2019	Vanguard Investments Australia Ltd.	SELL	27.82	Ordinary	(1,206)	(1,206)
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	27.21	Ordinary	8,583	8,583
4-Jun-2019	Vanguard Investments Australia Ltd.	BUY	27.21	Ordinary	1,080	1,080
5-Jun-2019	Vanguard Investments Australia Ltd.	BUY	27.51	Ordinary	472	472
6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	27.92	Ordinary	472	472

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6-Jun-2019	Vanguard Investments Australia Ltd.	BUY	27.92	Ordinary	1,296	1,296
11-Jun-2019	Vanguard Investments Australia Ltd.	BUY	28.39	Ordinary	708	708
12-Jun-2019	Vanguard Investments Australia Ltd.	BUY	28.00	Ordinary	5,586	5,586
13-Jun-2019	Vanguard Investments Australia Ltd.	BUY	26.75	Ordinary	472	472
14-Jun-2019	Vanguard Investments Australia Ltd.	BUY	26.58	Ordinary	988	988
17-Jun-2019	Vanguard Investments Australia Ltd.	BUY	26.62	Ordinary	1,044	1,044
17-Jun-2019	Vanguard Investments Australia Ltd.	BUY	26.62	Ordinary	912	912
18-Jun-2019	Vanguard Investments Australia Ltd.	SELL	26.85	Ordinary	(6,479)	(6,479)
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	25.95	Ordinary	473	473
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	25.95	Ordinary	4,895	4,895
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	25.95	Ordinary	705	705
21-Jun-2019	Vanguard Investments Australia Ltd.	SELL	26.08	Ordinary	(58,314)	(58,314)
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	25.95	Ordinary	684	684
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	25.95	Ordinary	623	623
21-Jun-2019	Vanguard Investments Australia Ltd.	BUY	25.95	Ordinary	6,449	6,449
25-Jun-2019	Vanguard Investments Australia Ltd.	BUY	25.89	Ordinary	1,050	1,050
25-Jun-2019	Vanguard Investments Australia Ltd.	SELL	25.53	Ordinary	(988)	(988)
26-Jun-2019	Vanguard Investments Australia Ltd.	BUY	26.05	Ordinary	600	600
27-Jun-2019	Vanguard Investments Australia Ltd.	SELL	25.75	Ordinary	(1,282)	(1,282)
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	25.75	Ordinary	800	800
27-Jun-2019	Vanguard Investments Australia Ltd.	BUY	25.75	Ordinary	756	756
28-Jun-2019	Vanguard Investments Australia Ltd.	SELL	25.85	Ordinary	(1,463)	(1,463)
2-Jul-2019	Vanguard Investments Australia Ltd.	BUY	26.25	Ordinary	594	594
2-Jul-2019	Vanguard Investments Australia Ltd.	BUY	26.25	Ordinary	1,308	1,308
8-Jul-2019	Vanguard Investments Australia Ltd.	BUY	26.88	Ordinary	1,188	1,188
8-Jul-2019	Vanguard Investments Australia Ltd.	BUY	26.88	Ordinary	654	654
9-Jul-2019	Vanguard Investments Australia Ltd.	BUY	27.41	Ordinary	654	654
11-Jul-2019	Vanguard Investments Australia Ltd.	BUY	28.27	Ordinary	642	642
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	28.88	Ordinary	2,855	2,855
15-Jul-2019	Vanguard Investments Australia Ltd.	BUY	28.78	Ordinary	594	594
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	28.97	Ordinary	1,272	1,272
16-Jul-2019	Vanguard Investments Australia Ltd.	BUY	28.97	Ordinary	5,524	5,524
17-Jul-2019	Vanguard Investments Australia Ltd.	SELL	28.91	Ordinary	(3,452)	(3,452)
18-Jul-2019	Vanguard Investments Australia Ltd.	BUY	29.13	Ordinary	1,548	1,548
22-Jul-2019	Vanguard Investments Australia Ltd.	SELL	29.62	Ordinary	(67,928)	(67,928)
22-Jul-2019	Vanguard Investments Australia Ltd.	BUY	29.62	Ordinary	594	594
30-Jul-2019	Vanguard Investments Australia Ltd.	BUY	30.44	Ordinary	1,155	1,155
31-Jul-2019	Vanguard Investments Australia Ltd.	BUY	30.09	Ordinary	594	594
1-Aug-2019	Vanguard Investments Australia Ltd.	SELL	30.30	Ordinary	(1,226)	(1,226)
2-Aug-2019	Vanguard Investments Australia Ltd.	SELL	29.24	Ordinary	(4,854)	(4,854)
5-Aug-2019	Vanguard Investments Australia Ltd.	BUY	28.50	Ordinary	1,032	1,032
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	27.57	Ordinary	1,804	1,804
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	27.57	Ordinary	792	792
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	27.57	Ordinary	954	954
6-Aug-2019	Vanguard Investments Australia Ltd.	BUY	27.57	Ordinary	954	954
7-Aug-2019	Vanguard Investments Australia Ltd.	BUY	27.69	Ordinary	1,386	1,386
8-Aug-2019	Vanguard Investments Australia Ltd.	BUY	27.89	Ordinary	1,166	1,166
9-Aug-2019	Vanguard Investments Australia Ltd.	BUY	27.96	Ordinary	2,615	2,615
9-Aug-2019	Vanguard Investments Australia Ltd.	BUY	27.96	Ordinary	6,246	6,246
12-Aug-2019	Vanguard Investments Australia Ltd.	BUY	30.75	Ordinary	1,166	1,166
14-Aug-2019	Vanguard Investments Australia Ltd.	BUY	31.20	Ordinary	792	792
15-Aug-2019	Vanguard Investments Australia Ltd.	BUY	30.97	Ordinary	792	792
20-Aug-2019	Vanguard Investments Australia Ltd.	SELL	32.85	Ordinary	(2,183)	(2,183)
20-Aug-2019	Vanguard Investments Australia Ltd.	BUY	32.85	Ordinary	5,589	5,589
21-Aug-2019	Vanguard Investments Australia Ltd.	BUY	32.95	Ordinary	597	597
27-Aug-2019	Vanguard Investments Australia Ltd.	BUY	31.83	Ordinary	1,155	1,155
28-Aug-2019	Vanguard Investments Australia Ltd.	BUY	31.93	Ordinary	3,010	3,010
28-Aug-2019	Vanguard Investments Australia Ltd.	BUY	31.93	Ordinary	3,452	3,452
29-Aug-2019	Vanguard Investments Australia Ltd.	SELL	32.47	Ordinary	(2,124)	(2,124)
29-Aug-2019	Vanguard Investments Australia Ltd.	BUY	32.47	Ordinary	597	597
30-Aug-2019	Vanguard Investments Australia Ltd.	BUY	32.90	Ordinary	3,045	3,045
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	32.68	Ordinary	1,062	1,062
2-Sep-2019	Vanguard Investments Australia Ltd.	BUY	32.68	Ordinary	2,398	2,398
4-Sep-2019	Vanguard Investments Australia Ltd.	BUY	32.71	Ordinary	10,873	10,873
4-Sep-2019	Vanguard Investments Australia Ltd.	BUY	32.77	Ordinary	800	800
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	33.15	Ordinary	1,222	1,222
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	33.15	Ordinary	800	800
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	33.15	Ordinary	3,437	3,437
5-Sep-2019	Vanguard Investments Australia Ltd.	BUY	33.15	Ordinary	4,907	4,907
9-Sep-2019	Vanguard Investments Australia Ltd.	BUY	33.73	Ordinary	800	800
10-Sep-2019	Vanguard Investments Australia Ltd.	BUY	33.66	Ordinary	3,131	3,131
10-Sep-2019	Vanguard Investments Australia Ltd.	BUY	33.66	Ordinary	1,599	1,599
13-Sep-2019	Vanguard Investments Australia Ltd.	BUY	34.24	Ordinary	1,296	1,296
13-Sep-2019	Vanguard Investments Australia Ltd.	SELL	34.24	Ordinary	(1,295)	(1,295)
17-Sep-2019	Vanguard Investments Australia Ltd.	BUY	33.77	Ordinary	2,090	2,090
19-Sep-2019	Vanguard Investments Australia Ltd.	BUY	34.34	Ordinary	603	603

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20-Sep-2019	Vanguard Investments Australia Ltd.	SELL	34.83	Ordinary	(2,345)	(2,345)
20-Sep-2019	Vanguard Investments Australia Ltd.	BUY	34.86	Ordinary	1,110	1,110
23-Sep-2019	Vanguard Investments Australia Ltd.	BUY	34.16	Ordinary	1,560	1,560
25-Sep-2019	Vanguard Investments Australia Ltd.	BUY	33.90	Ordinary	1,470	1,470
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	34.50	Ordinary	1,599	1,599
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	34.50	Ordinary	1,400	1,400
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	34.50	Ordinary	800	800
27-Sep-2019	Vanguard Investments Australia Ltd.	BUY	34.50	Ordinary	1,272	1,272
30-Sep-2019	Vanguard Investments Australia Ltd.	SELL	34.00	Ordinary	(4,318)	(4,318)
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	34.11	Ordinary	3,931	3,931
2-Oct-2019	Vanguard Investments Australia Ltd.	BUY	33.85	Ordinary	2,014	2,014
2-Oct-2019	Vanguard Investments Australia Ltd.	SELL	33.85	Ordinary	(2,544)	(2,544)
3-Oct-2019	Vanguard Investments Australia Ltd.	BUY	33.62	Ordinary	1,182	1,182
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	34.24	Ordinary	2,974	2,974
4-Oct-2019	Vanguard Investments Australia Ltd.	BUY	34.24	Ordinary	1,819	1,819
9-Oct-2019	Vanguard Investments Australia Ltd.	BUY	34.76	Ordinary	985	985
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	34.77	Ordinary	2,132	2,132
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	34.77	Ordinary	2,132	2,132
11-Oct-2019	Vanguard Investments Australia Ltd.	BUY	34.77	Ordinary	872	872
14-Oct-2019	Vanguard Investments Australia Ltd.	BUY	34.63	Ordinary	14,955	14,955
16-Oct-2019	Vanguard Investments Australia Ltd.	BUY	33.50	Ordinary	17,723	17,723
17-Oct-2019	Vanguard Investments Australia Ltd.	BUY	33.55	Ordinary	788	788
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	33.82	Ordinary	7,462	7,462
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	33.82	Ordinary	591	591
18-Oct-2019	Vanguard Investments Australia Ltd.	BUY	33.82	Ordinary	1,100	1,100
21-Oct-2019	Vanguard Investments Australia Ltd.	BUY	34.20	Ordinary	2,957	2,957
22-Oct-2019	Vanguard Investments Australia Ltd.	BUY	34.55	Ordinary	1,110	1,110
28-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.24	Ordinary	1,120	1,120
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	36.91	Ordinary	3,584	3,584
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	36.91	Ordinary	591	591
30-Oct-2019	Vanguard Investments Australia Ltd.	BUY	36.91	Ordinary	788	788
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.04	Ordinary	1,757	1,757
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.04	Ordinary	2,688	2,688
31-Oct-2019	Vanguard Investments Australia Ltd.	BUY	37.11	Ordinary	7,933	7,933
31-Oct-2019	Vanguard Investments Australia Ltd.	SELL	37.04	Ordinary	(1,344)	(1,344)
1-Nov-2019	Vanguard Investments Australia Ltd.	SELL	36.62	Ordinary	(12,402)	(12,402)
1-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.63	Ordinary	788	788
1-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.63	Ordinary	591	591
4-Nov-2019	Vanguard Investments Australia Ltd.	SELL	35.83	Ordinary	(18,183)	(18,183)
4-Nov-2019	Vanguard Investments Australia Ltd.	BUY	35.83	Ordinary	4,930	4,930
5-Nov-2019	Vanguard Investments Australia Ltd.	SELL	35.85	Ordinary	(4,402)	(4,402)
5-Nov-2019	Vanguard Investments Australia Ltd.	BUY	35.85	Ordinary	788	788
5-Nov-2019	Vanguard Investments Australia Ltd.	BUY	35.85	Ordinary	1,356	1,356
7-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.73	Ordinary	784	784
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.47	Ordinary	2,128	2,128
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.47	Ordinary	4,256	4,256
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.47	Ordinary	3,724	3,724
11-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.47	Ordinary	3,931	3,931
12-Nov-2019	Vanguard Investments Australia Ltd.	SELL	36.15	Ordinary	(685)	(685)
12-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.15	Ordinary	591	591
12-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.15	Ordinary	1,254	1,254
13-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.24	Ordinary	1,602	1,602
13-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.24	Ordinary	345	345
15-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.61	Ordinary	792	792
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.72	Ordinary	4,264	4,264
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.72	Ordinary	2,665	2,665
19-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.72	Ordinary	1,521	1,521
20-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.60	Ordinary	826	826
21-Nov-2019	Vanguard Investments Australia Ltd.	SELL	35.98	Ordinary	(1,314)	(1,314)
21-Nov-2019	Vanguard Investments Australia Ltd.	BUY	35.98	Ordinary	792	792
21-Nov-2019	Vanguard Investments Australia Ltd.	BUY	35.98	Ordinary	2,478	2,478
22-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.40	Ordinary	594	594
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.31	Ordinary	4,779	4,779
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.31	Ordinary	2,655	2,655
25-Nov-2019	Vanguard Investments Australia Ltd.	BUY	36.31	Ordinary	2,135	2,135
26-Nov-2019	Vanguard Investments Australia Ltd.	SELL	36.82	Ordinary	(2,385)	(2,385)
26-Nov-2019	Vanguard Investments Australia Ltd.	SELL	36.82	Ordinary	(4,996)	(4,996)
28-Nov-2019	Vanguard Investments Australia Ltd.	BUY	37.49	Ordinary	594	594
29-Nov-2019	Vanguard Investments Australia Ltd.	BUY	37.41	Ordinary	1,428	1,428
2-Dec-2019	Vanguard Investments Australia Ltd.	BUY	37.25	Ordinary	5,480	5,480
3-Dec-2019	Vanguard Investments Australia Ltd.	BUY	36.75	Ordinary	1,188	1,188
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	36.59	Ordinary	990	990
4-Dec-2019	Vanguard Investments Australia Ltd.	BUY	36.59	Ordinary	2,618	2,618
6-Dec-2019	Vanguard Investments Australia Ltd.	BUY	38.08	Ordinary	33,515	33,515
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	38.01	Ordinary	792	792
9-Dec-2019	Vanguard Investments Australia Ltd.	BUY	38.01	Ordinary	1,428	1,428

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-Dec-2019	Vanguard Investments Australia Ltd.	BUY	38.08	Ordinary	6,668	6,668
11-Dec-2019	Vanguard Investments Australia Ltd.	BUY	37.31	Ordinary	2,097	2,097
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	37.48	Ordinary	792	792
13-Dec-2019	Vanguard Investments Australia Ltd.	BUY	37.48	Ordinary	1,170	1,170
16-Dec-2019	Vanguard Investments Australia Ltd.	BUY	38.60	Ordinary	1,536	1,536
16-Dec-2019	Vanguard Investments Australia Ltd.	SELL	38.60	Ordinary	(464)	(464)
18-Dec-2019	Vanguard Investments Australia Ltd.	BUY	38.71	Ordinary	1,638	1,638
19-Dec-2019	Vanguard Investments Australia Ltd.	SELL	39.49	Ordinary	(6,330)	(6,330)
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	39.59	Ordinary	1,631	1,631
20-Dec-2019	Vanguard Investments Australia Ltd.	SELL	39.59	Ordinary	(848)	(848)
20-Dec-2019	Vanguard Investments Australia Ltd.	BUY	39.59	Ordinary	792	792
20-Dec-2019	Vanguard Investments Australia Ltd.	SELL	39.58	Ordinary	(22,334)	(22,334)
27-Dec-2019	Vanguard Investments Australia Ltd.	BUY	39.47	Ordinary	1,024	1,024
27-Dec-2019	Vanguard Investments Australia Ltd.	BUY	39.47	Ordinary	537	537
30-Dec-2019	Vanguard Investments Australia Ltd.	BUY	39.35	Ordinary	920	920
30-Dec-2019	Vanguard Investments Australia Ltd.	BUY	39.30	Ordinary	3,236	3,236
31-Dec-2019	Vanguard Investments Australia Ltd.	SELL	37.67	Ordinary	(1,474)	(1,474)
31-Dec-2019	Vanguard Investments Australia Ltd.	SELL	37.67	Ordinary	(4,513)	(4,513)
31-Dec-2019	Vanguard Investments Australia Ltd.	BUY	37.67	Ordinary	580	580
2-Jan-2020	Vanguard Investments Australia Ltd.	BUY	38.16	Ordinary	708	708
2-Jan-2020	Vanguard Investments Australia Ltd.	BUY	38.16	Ordinary	1,380	1,380
3-Jan-2020	Vanguard Investments Australia Ltd.	SELL	38.33	Ordinary	(7,443)	(7,443)
7-Jan-2020	Vanguard Investments Australia Ltd.	BUY	39.23	Ordinary	696	696
7-Jan-2020	Vanguard Investments Australia Ltd.	BUY	39.25	Ordinary	7,060	7,060
8-Jan-2020	Vanguard Investments Australia Ltd.	BUY	38.50	Ordinary	1,740	1,740
9-Jan-2020	Vanguard Investments Australia Ltd.	SELL	40.07	Ordinary	(928)	(928)
13-Jan-2020	Vanguard Investments Australia Ltd.	BUY	40.21	Ordinary	1,509	1,509
13-Jan-2020	Vanguard Investments Australia Ltd.	BUY	40.21	Ordinary	1,740	1,740
14-Jan-2020	Vanguard Investments Australia Ltd.	BUY	41.05	Ordinary	3,730	3,730
14-Jan-2020	Vanguard Investments Australia Ltd.	BUY	41.20	Ordinary	1,509	1,509
17-Jan-2020	Vanguard Investments Australia Ltd.	BUY	41.00	Ordinary	531	531
21-Jan-2020	Vanguard Investments Australia Ltd.	BUY	40.35	Ordinary	1,755	1,755
23-Jan-2020	Vanguard Investments Australia Ltd.	BUY	40.93	Ordinary	531	531
29-Jan-2020	Vanguard Investments Australia Ltd.	BUY	40.63	Ordinary	708	708
30-Jan-2020	Vanguard Investments Australia Ltd.	BUY	40.79	Ordinary	1,770	1,770
31-Jan-2020	Vanguard Investments Australia Ltd.	BUY	40.09	Ordinary	2,072	2,072
3-Feb-2020	Vanguard Investments Australia Ltd.	SELL	39.77	Ordinary	(727)	(727)
7-Feb-2020	Vanguard Investments Australia Ltd.	BUY	40.10	Ordinary	1,190	1,190
10-Feb-2020	Vanguard Investments Australia Ltd.	BUY	44.71	Ordinary	4,819	4,819
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	42.95	Ordinary	2,360	2,360
11-Feb-2020	Vanguard Investments Australia Ltd.	BUY	42.30	Ordinary	3,555	3,555
12-Feb-2020	Vanguard Investments Australia Ltd.	SELL	42.57	Ordinary	(3,842)	(3,842)
13-Feb-2020	Vanguard Investments Australia Ltd.	SELL	41.58	Ordinary	(885)	(885)
26-Feb-2020	Vanguard Investments Australia Ltd.	BUY	36.70	Ordinary	1,872	1,872
27-Feb-2020	Vanguard Investments Australia Ltd.	BUY	37.13	Ordinary	7,081	7,081
28-Feb-2020	Vanguard Investments Australia Ltd.	SELL	36.79	Ordinary	(2,693)	(2,693)
28-Feb-2020	Vanguard Investments Australia Ltd.	SELL	36.83	Ordinary	(1,625)	(1,625)
28-Feb-2020	Vanguard Investments Australia Ltd.	BUY	36.79	Ordinary	1,755	1,755
2-Mar-2020	Vanguard Investments Australia Ltd.	BUY	36.07	Ordinary	1,494	1,494
3-Mar-2020	Vanguard Investments Australia Ltd.	BUY	35.89	Ordinary	537	537
3-Mar-2020	Vanguard Investments Australia Ltd.	BUY	35.89	Ordinary	3,105	3,105
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	35.09	Ordinary	716	716
4-Mar-2020	Vanguard Investments Australia Ltd.	BUY	35.09	Ordinary	1,972	1,972
5-Mar-2020	Vanguard Investments Australia Ltd.	SELL	34.61	Ordinary	(815)	(815)
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	34.61	Ordinary	994	994
5-Mar-2020	Vanguard Investments Australia Ltd.	BUY	34.61	Ordinary	720	720
6-Mar-2020	Vanguard Investments Australia Ltd.	SELL	34.26	Ordinary	(2,758)	(2,758)
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	31.88	Ordinary	900	900
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	31.88	Ordinary	1,080	1,080
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	31.88	Ordinary	4,095	4,095
9-Mar-2020	Vanguard Investments Australia Ltd.	BUY	31.88	Ordinary	4,423	4,423
10-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.68	Ordinary	5,520	5,520
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.00	Ordinary	779	779
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.61	Ordinary	1,620	1,620
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.61	Ordinary	1,080	1,080
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.61	Ordinary	2,900	2,900
11-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.61	Ordinary	2,320	2,320
12-Mar-2020	Vanguard Investments Australia Ltd.	SELL	30.87	Ordinary	(1,026)	(1,026)
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	30.87	Ordinary	720	720
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	30.87	Ordinary	1,972	1,972
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	30.87	Ordinary	3,480	3,480
12-Mar-2020	Vanguard Investments Australia Ltd.	BUY	30.87	Ordinary	11,191	11,191
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.53	Ordinary	1,440	1,440
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.53	Ordinary	3,450	3,450
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	33.53	Ordinary	6,788	6,788
16-Mar-2020	Vanguard Investments Australia Ltd.	BUY	30.19	Ordinary	4,025	4,025



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17-Mar-2020	Vanguard Investments Australia Ltd.	SELL	30.92	Ordinary	(3,304)	(3,304)
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	30.92	Ordinary	1,440	1,440
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	30.92	Ordinary	1,080	1,080
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	30.92	Ordinary	2,850	2,850
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.01	Ordinary	3,420	3,420
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	29.01	Ordinary	4,510	4,510
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.57	Ordinary	540	540
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.57	Ordinary	2,622	2,622
20-Mar-2020	Vanguard Investments Australia Ltd.	BUY	27.58	Ordinary	3,534	3,534
23-Mar-2020	Vanguard Investments Australia Ltd.	BUY	24.61	Ordinary	1,632	1,632
23-Mar-2020	Vanguard Investments Australia Ltd.	BUY	24.61	Ordinary	1,582	1,582
26-Mar-2020	Vanguard Investments Australia Ltd.	BUY	25.84	Ordinary	1,695	1,695
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	25.04	Ordinary	2,835	2,835
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	25.04	Ordinary	3,770	3,770
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	24.29	Ordinary	2,800	2,800
27-Mar-2020	Vanguard Investments Australia Ltd.	SELL	24.29	Ordinary	(3,024)	(3,024)
30-Mar-2020	Vanguard Investments Australia Ltd.	BUY	26.07	Ordinary	439	439
31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.00	Ordinary	10,935	10,935
31-Mar-2020	Vanguard Investments Australia Ltd.	SELL	28.00	Ordinary	(8,677)	(8,677)
31-Mar-2020	Vanguard Investments Australia Ltd.	SELL	28.00	Ordinary	(4,437)	(4,437)
31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	28.00	Ordinary	2,240	2,240
1-Apr-2020	Vanguard Investments Australia Ltd.	BUY	30.99	Ordinary	1,391	1,391
2-Apr-2020	Vanguard Investments Australia Ltd.	BUY	31.71	Ordinary	708	708
2-Apr-2020	Vanguard Investments Australia Ltd.	BUY	31.71	Ordinary	1,605	1,605
3-Apr-2020	Vanguard Investments Australia Ltd.	BUY	29.12	Ordinary	840	840
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	30.62	Ordinary	905	905
7-Apr-2020	Vanguard Investments Australia Ltd.	SELL	30.62	Ordinary	(1,147)	(1,147)
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	30.62	Ordinary	708	708
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	30.62	Ordinary	3,710	3,710
8-Apr-2020	Vanguard Investments Australia Ltd.	BUY	31.63	Ordinary	6,238	6,238
9-Apr-2020	Vanguard Investments Australia Ltd.	SELL	33.90	Ordinary	(6,410)	(6,410)
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	33.90	Ordinary	708	708
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	33.90	Ordinary	3,570	3,570
14-Apr-2020	Vanguard Investments Australia Ltd.	SELL	33.83	Ordinary	(5,727)	(5,727)
15-Apr-2020	Vanguard Investments Australia Ltd.	BUY	33.91	Ordinary	2,080	2,080
20-Apr-2020	Vanguard Investments Australia Ltd.	SELL	32.20	Ordinary	(926)	(926)
20-Apr-2020	Vanguard Investments Australia Ltd.	BUY	32.20	Ordinary	531	531
20-Apr-2020	Vanguard Investments Australia Ltd.	BUY	32.20	Ordinary	708	708
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	32.32	Ordinary	587	587
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	32.11	Ordinary	2,080	2,080
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	32.11	Ordinary	1,768	1,768
22-Apr-2020	Vanguard Investments Australia Ltd.	SELL	33.34	Ordinary	(12,114)	(12,114)
22-Apr-2020	Vanguard Investments Australia Ltd.	BUY	33.34	Ordinary	708	708
23-Apr-2020	Vanguard Investments Australia Ltd.	SELL	33.24	Ordinary	(12,928)	(12,928)
23-Apr-2020	Vanguard Investments Australia Ltd.	BUY	33.24	Ordinary	708	708
23-Apr-2020	Vanguard Investments Australia Ltd.	BUY	33.24	Ordinary	1,560	1,560
28-Apr-2020	Vanguard Investments Australia Ltd.	BUY	34.15	Ordinary	708	708
28-Apr-2020	Vanguard Investments Australia Ltd.	BUY	34.15	Ordinary	1,872	1,872
29-Apr-2020	Vanguard Investments Australia Ltd.	BUY	34.82	Ordinary	1,482	1,482
30-Apr-2020	Vanguard Investments Australia Ltd.	BUY	35.16	Ordinary	1,976	1,976
30-Apr-2020	Vanguard Investments Australia Ltd.	SELL	35.16	Ordinary	(1,017)	(1,017)
1-May-2020	Vanguard Investments Australia Ltd.	SELL	34.33	Ordinary	(2,250)	(2,250)
1-May-2020	Vanguard Investments Australia Ltd.	BUY	34.33	Ordinary	1,575	1,575
1-May-2020	Vanguard Investments Australia Ltd.	BUY	34.33	Ordinary	2,100	2,100
4-May-2020	Vanguard Investments Australia Ltd.	BUY	33.97	Ordinary	704	704
4-May-2020	Vanguard Investments Australia Ltd.	BUY	33.97	Ordinary	2,968	2,968
5-May-2020	Vanguard Investments Australia Ltd.	SELL	33.95	Ordinary	(674)	(674)
5-May-2020	Vanguard Investments Australia Ltd.	SELL	33.95	Ordinary	(556)	(556)
6-May-2020	Vanguard Investments Australia Ltd.	BUY	35.10	Ordinary	704	704
8-May-2020	Vanguard Investments Australia Ltd.	BUY	35.26	Ordinary	105	105
12-May-2020	Vanguard Investments Australia Ltd.	BUY	35.11	Ordinary	704	704
12-May-2020	Vanguard Investments Australia Ltd.	BUY	35.11	Ordinary	1,484	1,484
13-May-2020	Vanguard Investments Australia Ltd.	SELL	35.03	Ordinary	(929)	(929)
13-May-2020	Vanguard Investments Australia Ltd.	BUY	35.03	Ordinary	1,590	1,590
19-May-2020	Vanguard Investments Australia Ltd.	BUY	35.32	Ordinary	2,140	2,140
20-May-2020	Vanguard Investments Australia Ltd.	BUY	35.36	Ordinary	1,470	1,470
20-May-2020	Vanguard Investments Australia Ltd.	BUY	35.36	Ordinary	1,728	1,728
22-May-2020	Vanguard Investments Australia Ltd.	BUY	35.15	Ordinary	2,640	2,640
22-May-2020	Vanguard Investments Australia Ltd.	BUY	35.15	Ordinary	1,296	1,296
25-May-2020	Vanguard Investments Australia Ltd.	BUY	36.45	Ordinary	704	704
25-May-2020	Vanguard Investments Australia Ltd.	BUY	36.45	Ordinary	1,080	1,080
26-May-2020	Vanguard Investments Australia Ltd.	BUY	36.50	Ordinary	12,644	12,644
26-May-2020	Vanguard Investments Australia Ltd.	BUY	36.50	Ordinary	1,620	1,620
27-May-2020	Vanguard Investments Australia Ltd.	BUY	37.50	Ordinary	12,312	12,312
28-May-2020	Vanguard Investments Australia Ltd.	SELL	37.74	Ordinary	(142)	(142)
29-May-2020	Vanguard Investments Australia Ltd.	BUY	37.12	Ordinary	1,620	1,620

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1-Jun-2020	Vanguard Investments Australia Ltd.	BUY	37.65	Ordinary	2,029	2,029
2-Jun-2020	Vanguard Investments Australia Ltd.	SELL	38.81	Ordinary	(2,634)	(2,634)
3-Jun-2020	Vanguard Investments Australia Ltd.	BUY	39.89	Ordinary	704	704
4-Jun-2020	Vanguard Investments Australia Ltd.	SELL	40.29	Ordinary	(5,196)	(5,196)
5-Jun-2020	Vanguard Investments Australia Ltd.	BUY	40.35	Ordinary	1,650	1,650
5-Jun-2020	Vanguard Investments Australia Ltd.	BUY	40.35	Ordinary	1,320	1,320
5-Jun-2020	Vanguard Investments Australia Ltd.	SELL	40.35	Ordinary	(4,468)	(4,468)
9-Jun-2020	Vanguard Investments Australia Ltd.	BUY	40.31	Ordinary	704	704
11-Jun-2020	Vanguard Investments Australia Ltd.	SELL	40.22	Ordinary	(130)	(130)
11-Jun-2020	Vanguard Investments Australia Ltd.	BUY	40.22	Ordinary	1,650	1,650
15-Jun-2020	Vanguard Investments Australia Ltd.	BUY	38.01	Ordinary	2,200	2,200
16-Jun-2020	Vanguard Investments Australia Ltd.	BUY	40.21	Ordinary	1,100	1,100
17-Jun-2020	Vanguard Investments Australia Ltd.	BUY	41.82	Ordinary	1,650	1,650
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	39.41	Ordinary	1,091	1,091
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	39.41	Ordinary	61	61
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	39.98	Ordinary	690	690
19-Jun-2020	Vanguard Investments Australia Ltd.	SELL	39.98	Ordinary	(11,137)	(11,137)
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	39.98	Ordinary	220	220
22-Jun-2020	Vanguard Investments Australia Ltd.	BUY	39.34	Ordinary	1,271	1,271
22-Jun-2020	Vanguard Investments Australia Ltd.	BUY	39.34	Ordinary	70	70
23-Jun-2020	Vanguard Investments Australia Ltd.	SELL	41.45	Ordinary	(1,904)	(1,904)
25-Jun-2020	Vanguard Investments Australia Ltd.	BUY	41.51	Ordinary	1,360	1,360
25-Jun-2020	Vanguard Investments Australia Ltd.	BUY	41.51	Ordinary	2,599	2,599
30-Jun-2020	Vanguard Investments Australia Ltd.	SELL	43.03	Ordinary	(7,363)	(7,363)
8-Jul-2020	Vanguard Investments Australia Ltd.	SELL	42.40	Ordinary	(68,731)	(68,731)
16-Jul-2020	Vanguard Investments Australia Ltd.	SELL	42.57	Ordinary	(845)	(845)
16-Jul-2020	Vanguard Investments Australia Ltd.	SELL	42.57	Ordinary	(1,017)	(1,017)
21-Jul-2020	Vanguard Investments Australia Ltd.	SELL	43.72	Ordinary	(2,333)	(2,333)
24-Jul-2020	Vanguard Investments Australia Ltd.	BUY	44.44	Ordinary	14,213	14,213
30-Jul-2020	Vanguard Investments Australia Ltd.	BUY	45.59	Ordinary	1,417	1,417
31-Jul-2020	Vanguard Investments Australia Ltd.	BUY	45.67	Ordinary	4,694	4,694
5-Aug-2020	Vanguard Investments Australia Ltd.	SELL	44.79	Ordinary	(816)	(816)
5-Aug-2020	Vanguard Investments Australia Ltd.	BUY	44.79	Ordinary	1,620	1,620
7-Aug-2020	Vanguard Investments Australia Ltd.	BUY	45.66	Ordinary	2,160	2,160
12-Aug-2020	Vanguard Investments Australia Ltd.	SELL	46.30	Ordinary	(220)	(220)
12-Aug-2020	Vanguard Investments Australia Ltd.	BUY	46.30	Ordinary	12,049	12,049
21-Aug-2020	Vanguard Investments Australia Ltd.	BUY	50.94	Ordinary	1,876	1,876
25-Aug-2020	Vanguard Investments Australia Ltd.	BUY	52.40	Ordinary	1,605	1,605
31-Aug-2020	Vanguard Investments Australia Ltd.	SELL	50.20	Ordinary	(3,631)	(3,631)
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	50.12	Ordinary	58,893	58,893
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	50.12	Ordinary	684	684
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	50.12	Ordinary	1,712	1,712
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	50.12	Ordinary	477	477
2-Sep-2020	Vanguard Investments Australia Ltd.	SELL	51.10	Ordinary	(1,175)	(1,175)
4-Sep-2020	Vanguard Investments Australia Ltd.	BUY	49.78	Ordinary	524	524
7-Sep-2020	Vanguard Investments Australia Ltd.	BUY	48.68	Ordinary	1,417	1,417
8-Sep-2020	Vanguard Investments Australia Ltd.	BUY	48.37	Ordinary	583	583
9-Sep-2020	Vanguard Investments Australia Ltd.	BUY	47.08	Ordinary	1,962	1,962
10-Sep-2020	Vanguard Investments Australia Ltd.	BUY	47.14	Ordinary	294	294
15-Sep-2020	Vanguard Investments Australia Ltd.	BUY	46.76	Ordinary	684	684
16-Sep-2020	Vanguard Investments Australia Ltd.	BUY	47.67	Ordinary	545	545
17-Sep-2020	Vanguard Investments Australia Ltd.	BUY	47.26	Ordinary	684	684
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	47.05	Ordinary	872	872
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	47.05	Ordinary	545	545
18-Sep-2020	Vanguard Investments Australia Ltd.	SELL	47.07	Ordinary	(9,352)	(9,352)
21-Sep-2020	Vanguard Investments Australia Ltd.	BUY	47.00	Ordinary	330	330
23-Sep-2020	Vanguard Investments Australia Ltd.	SELL	48.14	Ordinary	(2,124)	(2,124)
24-Sep-2020	Vanguard Investments Australia Ltd.	SELL	47.44	Ordinary	(1,868)	(1,868)
24-Sep-2020	Vanguard Investments Australia Ltd.	BUY	47.44	Ordinary	508	508
25-Sep-2020	Vanguard Investments Australia Ltd.	BUY	47.59	Ordinary	1,090	1,090
28-Sep-2020	Vanguard Investments Australia Ltd.	BUY	47.11	Ordinary	1,401	1,401
28-Sep-2020	Vanguard Investments Australia Ltd.	BUY	47.11	Ordinary	684	684
29-Sep-2020	Vanguard Investments Australia Ltd.	BUY	47.36	Ordinary	324	324
30-Sep-2020	Vanguard Investments Australia Ltd.	BUY	47.06	Ordinary	8,134	8,134
30-Sep-2020	Vanguard Investments Australia Ltd.	SELL	47.06	Ordinary	(2,111)	(2,111)
30-Sep-2020	Vanguard Investments Australia Ltd.	BUY	47.06	Ordinary	1,080	1,080
2-Oct-2020	Vanguard Investments Australia Ltd.	BUY	46.75	Ordinary	2,198	2,198
5-Oct-2020	Vanguard Investments Australia Ltd.	BUY	47.24	Ordinary	1,605	1,605
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	47.47	Ordinary	825	825
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	47.04	Ordinary	1,070	1,070
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	47.04	Ordinary	309	309
7-Oct-2020	Vanguard Investments Australia Ltd.	BUY	48.75	Ordinary	1,401	1,401
9-Oct-2020	Vanguard Investments Australia Ltd.	BUY	49.69	Ordinary	676	676
12-Oct-2020	Vanguard Investments Australia Ltd.	BUY	50.21	Ordinary	180	180
13-Oct-2020	Vanguard Investments Australia Ltd.	BUY	51.30	Ordinary	1,070	1,070
19-Oct-2020	Vanguard Investments Australia Ltd.	SELL	52.20	Ordinary	(6,794)	(6,794)

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
20-Oct-2020	Vanguard Investments Australia Ltd.	BUY	51.86	Ordinary	676	676
20-Oct-2020	Vanguard Investments Australia Ltd.	SELL	51.86	Ordinary	(3,300)	(3,300)
20-Oct-2020	Vanguard Investments Australia Ltd.	BUY	51.86	Ordinary	6,099	6,099
23-Oct-2020	Vanguard Investments Australia Ltd.	BUY	50.83	Ordinary	1,070	1,070
27-Oct-2020	Vanguard Investments Australia Ltd.	BUY	49.41	Ordinary	10,672	10,672
27-Oct-2020	Vanguard Investments Australia Ltd.	BUY	49.41	Ordinary	1,868	1,868
28-Oct-2020	Vanguard Investments Australia Ltd.	SELL	50.50	Ordinary	(5,741)	(5,741)
28-Oct-2020	Vanguard Investments Australia Ltd.	BUY	50.50	Ordinary	1,070	1,070
29-Oct-2020	Vanguard Investments Australia Ltd.	BUY	47.38	Ordinary	676	676
29-Oct-2020	Vanguard Investments Australia Ltd.	BUY	47.38	Ordinary	3,740	3,740
29-Oct-2020	Vanguard Investments Australia Ltd.	BUY	47.38	Ordinary	910	910
30-Oct-2020	Vanguard Investments Australia Ltd.	BUY	47.49	Ordinary	4,858	4,858
30-Oct-2020	Vanguard Investments Australia Ltd.	BUY	47.49	Ordinary	1,438	1,438
30-Oct-2020	Vanguard Investments Australia Ltd.	BUY	47.49	Ordinary	1,572	1,572
30-Oct-2020	Vanguard Investments Australia Ltd.	SELL	47.43	Ordinary	(1,065)	(1,065)
30-Oct-2020	Vanguard Investments Australia Ltd.	BUY	47.43	Ordinary	1,401	1,401
30-Oct-2020	Vanguard Investments Australia Ltd.	BUY	47.43	Ordinary	3,679	3,679
3-Nov-2020	Vanguard Investments Australia Ltd.	BUY	48.17	Ordinary	1,070	1,070
4-Nov-2020	Vanguard Investments Australia Ltd.	BUY	48.55	Ordinary	1,605	1,605
5-Nov-2020	Vanguard Investments Australia Ltd.	BUY	48.81	Ordinary	214	214
10-Nov-2020	Vanguard Investments Australia Ltd.	BUY	46.46	Ordinary	1,836	1,836
11-Nov-2020	Vanguard Investments Australia Ltd.	BUY	44.42	Ordinary	1,404	1,404
12-Nov-2020	Vanguard Investments Australia Ltd.	BUY	45.46	Ordinary	676	676
13-Nov-2020	Vanguard Investments Australia Ltd.	BUY	45.81	Ordinary	5,724	5,724
13-Nov-2020	Vanguard Investments Australia Ltd.	BUY	45.81	Ordinary	1,836	1,836
17-Nov-2020	Vanguard Investments Australia Ltd.	BUY	45.74	Ordinary	936	936
17-Nov-2020	Vanguard Investments Australia Ltd.	BUY	45.74	Ordinary	1,080	1,080
19-Nov-2020	Vanguard Investments Australia Ltd.	BUY	45.55	Ordinary	5,437	5,437
20-Nov-2020	Vanguard Investments Australia Ltd.	BUY	46.02	Ordinary	184	184
20-Nov-2020	Vanguard Investments Australia Ltd.	BUY	46.02	Ordinary	368	368
23-Nov-2020	Vanguard Investments Australia Ltd.	BUY	45.50	Ordinary	1,284	1,284
25-Nov-2020	Vanguard Investments Australia Ltd.	BUY	45.39	Ordinary	3,103	3,103
26-Nov-2020	Vanguard Investments Australia Ltd.	SELL	45.78	Ordinary	(7,037)	(7,037)
26-Nov-2020	Vanguard Investments Australia Ltd.	BUY	45.78	Ordinary	19,726	19,726
26-Nov-2020	Vanguard Investments Australia Ltd.	BUY	45.78	Ordinary	1,404	1,404
26-Nov-2020	Vanguard Investments Australia Ltd.	BUY	45.78	Ordinary	676	676
30-Nov-2020	Vanguard Investments Australia Ltd.	SELL	45.78	Ordinary	(1,812)	(1,812)
30-Nov-2020	Vanguard Investments Australia Ltd.	SELL	45.78	Ordinary	(6,260)	(6,260)
1-Dec-2020	Vanguard Investments Australia Ltd.	BUY	46.35	Ordinary	1,605	1,605
2-Dec-2020	Vanguard Investments Australia Ltd.	BUY	45.30	Ordinary	1,712	1,712
3-Dec-2020	Vanguard Investments Australia Ltd.	BUY	45.59	Ordinary	18,608	18,608
3-Dec-2020	Vanguard Investments Australia Ltd.	BUY	45.59	Ordinary	676	676
3-Dec-2020	Vanguard Investments Australia Ltd.	BUY	45.59	Ordinary	91	91
3-Dec-2020	Vanguard Investments Australia Ltd.	BUY	45.59	Ordinary	552	552
4-Dec-2020	Vanguard Investments Australia Ltd.	BUY	45.00	Ordinary	1,070	1,070
8-Dec-2020	Vanguard Investments Australia Ltd.	BUY	42.89	Ordinary	892	892
8-Dec-2020	Vanguard Investments Australia Ltd.	SELL	42.89	Ordinary	(1,357)	(1,357)
9-Dec-2020	Vanguard Investments Australia Ltd.	BUY	43.92	Ordinary	135	135
11-Dec-2020	Vanguard Investments Australia Ltd.	BUY	44.02	Ordinary	1,378	1,378
11-Dec-2020	Vanguard Investments Australia Ltd.	BUY	44.02	Ordinary	273	273
14-Dec-2020	Vanguard Investments Australia Ltd.	BUY	46.16	Ordinary	1,335	1,335
15-Dec-2020	Vanguard Investments Australia Ltd.	BUY	46.21	Ordinary	1,060	1,060
16-Dec-2020	Vanguard Investments Australia Ltd.	BUY	46.70	Ordinary	1,060	1,060
17-Dec-2020	Vanguard Investments Australia Ltd.	BUY	47.38	Ordinary	676	676
17-Dec-2020	Vanguard Investments Australia Ltd.	BUY	47.38	Ordinary	1,378	1,378
18-Dec-2020	Vanguard Investments Australia Ltd.	BUY	48.00	Ordinary	1,784	1,784
18-Dec-2020	Vanguard Investments Australia Ltd.	BUY	48.00	Ordinary	890	890
18-Dec-2020	Vanguard Investments Australia Ltd.	BUY	48.00	Ordinary	13,397	13,397
22-Dec-2020	Vanguard Investments Australia Ltd.	BUY	47.68	Ordinary	2,060	2,060
29-Dec-2020	Vanguard Investments Australia Ltd.	BUY	48.47	Ordinary	888	888
30-Dec-2020	Vanguard Investments Australia Ltd.	BUY	48.85	Ordinary	1,332	1,332
31-Dec-2020	Vanguard Investments Australia Ltd.	SELL	48.62	Ordinary	(941)	(941)
31-Dec-2020	Vanguard Investments Australia Ltd.	BUY	48.62	Ordinary	704	704
4-Jan-2021	Vanguard Investments Australia Ltd.	BUY	49.88	Ordinary	1,030	1,030
4-Jan-2021	Vanguard Investments Australia Ltd.	BUY	49.88	Ordinary	3,085	3,085
5-Jan-2021	Vanguard Investments Australia Ltd.	SELL	49.25	Ordinary	(414)	(414)

This is Annexure A of 16 pages referred to in Form 604, Notice of change of interests of substantial holder.

Signature:



Name: Shawn Acker

Capacity: Compliance Manager

Date: 08 January 2021