

Form 605Corporations Act 2001
Section 671B**Notice of ceasing to be a substantial holder**To Company Name/Scheme Rio Tinto LimitedACN/ARSN 004 458 404**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/AThe holder ceased to be a substantial holder on 5 November 2021The previous notice was given to the company on 17 March 2020The previous notice was dated 17 March 2020**2. Changes in relevant interests**

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

Date of change	Person whose relevant interest changed	Nature of change (4)	Consideration given in relation to change (5)	Class (6) and number of securities affected	Person's votes affected
See Annexure A					Vanguard Group now holds 4.980% of voting power

3. Changes in association

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

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

4. Addresses

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

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

Signatureprint name Shawn Acker capacity Compliance Managersign here  date 10 November 2021

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant interests (eg. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 4 of the form.
- (2) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (3) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (4) Include details of:
 - (a) any relevant agreement or other circumstances because of which the change in relevant interest occurred. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
 - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).

See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.
- (5) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.
- (6) The voting shares of a company constitute one class unless divided into separate classes.
- (7) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.

To Company
ACN/ARSN

Rio Tinto Limited
004 458 404

Substantial Holder Name
ACN/ARSN

Vanguard Group
N/A

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
13-Mar-2020	The Vanguard Group, Inc.	BUY	83.77	Ordinary	1,260	1,260
13-Mar-2020	The Vanguard Group, Inc.	BUY	73.93	Ordinary	29,173	29,173
13-Mar-2020	The Vanguard Group, Inc.	BUY	81.08	Ordinary	26,706	26,706
13-Mar-2020	The Vanguard Group, Inc.	BUY	81.08	Ordinary	196	196
13-Mar-2020	The Vanguard Group, Inc.	BUY	81.08	Ordinary	11,368	11,368
13-Mar-2020	The Vanguard Group, Inc.	BUY	81.08	Ordinary	105	105
16-Mar-2020	The Vanguard Group, Inc.	SELL	73.87	Ordinary	(1,068)	(1,068)
16-Mar-2020	The Vanguard Group, Inc.	SELL	73.87	Ordinary	(1,011)	(1,011)
16-Mar-2020	The Vanguard Group, Inc.	BUY	73.87	Ordinary	464	464
16-Mar-2020	The Vanguard Group, Inc.	BUY	73.87	Ordinary	232	232
16-Mar-2020	The Vanguard Group, Inc.	BUY	78.67	Ordinary	298	298
16-Mar-2020	The Vanguard Group, Inc.	BUY	77.65	Ordinary	149	149
16-Mar-2020	The Vanguard Group, Inc.	BUY	77.65	Ordinary	724	724
16-Mar-2020	The Vanguard Group, Inc.	BUY	77.65	Ordinary	42	42
16-Mar-2020	The Vanguard Group, Inc.	BUY	77.65	Ordinary	233	233
16-Mar-2020	The Vanguard Group, Inc.	BUY	77.65	Ordinary	100	100
17-Mar-2020	The Vanguard Group, Inc.	BUY	84.49	Ordinary	3,534	3,534
17-Mar-2020	The Vanguard Group, Inc.	SELL	84.49	Ordinary	(3,120)	(3,120)
17-Mar-2020	The Vanguard Group, Inc.	SELL	84.49	Ordinary	(3,900)	(3,900)
17-Mar-2020	The Vanguard Group, Inc.	SELL	84.49	Ordinary	(1,348)	(1,348)
17-Mar-2020	The Vanguard Group, Inc.	BUY	81.11	Ordinary	36,859	36,859
17-Mar-2020	The Vanguard Group, Inc.	BUY	84.49	Ordinary	710	710
17-Mar-2020	The Vanguard Group, Inc.	BUY	84.49	Ordinary	639	639
17-Mar-2020	The Vanguard Group, Inc.	BUY	84.49	Ordinary	696	696
17-Mar-2020	The Vanguard Group, Inc.	BUY	84.49	Ordinary	464	464
17-Mar-2020	The Vanguard Group, Inc.	BUY	83.00	Ordinary	132	132
17-Mar-2020	The Vanguard Group, Inc.	BUY	83.00	Ordinary	10,388	10,388
17-Mar-2020	The Vanguard Group, Inc.	BUY	83.00	Ordinary	572	572
17-Mar-2020	The Vanguard Group, Inc.	SELL	83.00	Ordinary	(269)	(269)
18-Mar-2020	The Vanguard Group, Inc.	BUY	81.89	Ordinary	33,908	33,908
18-Mar-2020	The Vanguard Group, Inc.	BUY	79.91	Ordinary	149	149
18-Mar-2020	The Vanguard Group, Inc.	BUY	79.91	Ordinary	298	298
19-Mar-2020	The Vanguard Group, Inc.	BUY	80.05	Ordinary	25,836	25,836
19-Mar-2020	The Vanguard Group, Inc.	BUY	82.97	Ordinary	1,349	1,349
19-Mar-2020	The Vanguard Group, Inc.	BUY	80.52	Ordinary	321	321
19-Mar-2020	The Vanguard Group, Inc.	BUY	80.05	Ordinary	40	40
19-Mar-2020	The Vanguard Group, Inc.	SELL	80.52	Ordinary	(73)	(73)
20-Mar-2020	The Vanguard Group, Inc.	SELL	81.65	Ordinary	(8,636)	(8,636)
20-Mar-2020	The Vanguard Group, Inc.	BUY	79.66	Ordinary	744	744
20-Mar-2020	The Vanguard Group, Inc.	SELL	81.65	Ordinary	(7,210)	(7,210)
20-Mar-2020	The Vanguard Group, Inc.	SELL	81.65	Ordinary	(11,608)	(11,608)
20-Mar-2020	The Vanguard Group, Inc.	SELL	79.66	Ordinary	(1,685)	(1,685)
20-Mar-2020	The Vanguard Group, Inc.	BUY	82.17	Ordinary	35,420	35,420
20-Mar-2020	The Vanguard Group, Inc.	SELL	81.65	Ordinary	(24,039)	(24,039)
20-Mar-2020	The Vanguard Group, Inc.	BUY	79.66	Ordinary	696	696
20-Mar-2020	The Vanguard Group, Inc.	SELL	81.65	Ordinary	(992)	(992)
20-Mar-2020	The Vanguard Group, Inc.	SELL	81.65	Ordinary	(3,540)	(3,540)
20-Mar-2020	The Vanguard Group, Inc.	BUY	82.00	Ordinary	149	149
20-Mar-2020	The Vanguard Group, Inc.	SELL	81.65	Ordinary	(916)	(916)
23-Mar-2020	The Vanguard Group, Inc.	BUY	79.90	Ordinary	1,674	1,674
23-Mar-2020	The Vanguard Group, Inc.	SELL	76.60	Ordinary	(912)	(912)
23-Mar-2020	The Vanguard Group, Inc.	SELL	79.90	Ordinary	(1,348)	(1,348)
23-Mar-2020	The Vanguard Group, Inc.	SELL	76.60	Ordinary	(301)	(301)
23-Mar-2020	The Vanguard Group, Inc.	BUY	78.71	Ordinary	149	149
23-Mar-2020	The Vanguard Group, Inc.	BUY	78.71	Ordinary	722	722
23-Mar-2020	The Vanguard Group, Inc.	BUY	78.71	Ordinary	767	767
24-Mar-2020	The Vanguard Group, Inc.	SELL	79.00	Ordinary	(2,413)	(2,413)
24-Mar-2020	The Vanguard Group, Inc.	BUY	78.33	Ordinary	27,692	27,692
24-Mar-2020	The Vanguard Group, Inc.	BUY	79.55	Ordinary	149	149
24-Mar-2020	The Vanguard Group, Inc.	BUY	78.33	Ordinary	1,306	1,306
25-Mar-2020	The Vanguard Group, Inc.	BUY	85.97	Ordinary	8,715	8,715
25-Mar-2020	The Vanguard Group, Inc.	SELL	85.35	Ordinary	(1,068)	(1,068)

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25-Mar-2020	The Vanguard Group, Inc.	BUY	85.97	Ordinary	27,072	27,072
25-Mar-2020	The Vanguard Group, Inc.	BUY	85.97	Ordinary	4,002	4,002
26-Mar-2020	The Vanguard Group, Inc.	BUY	86.90	Ordinary	2,821	2,821
26-Mar-2020	The Vanguard Group, Inc.	SELL	93.59	Ordinary	(1,011)	(1,011)
26-Mar-2020	The Vanguard Group, Inc.	BUY	86.90	Ordinary	559	559
27-Mar-2020	The Vanguard Group, Inc.	BUY	89.61	Ordinary	4,722	4,722
27-Mar-2020	The Vanguard Group, Inc.	BUY	85.78	Ordinary	302	302
27-Mar-2020	The Vanguard Group, Inc.	BUY	85.78	Ordinary	302	302
27-Mar-2020	The Vanguard Group, Inc.	BUY	85.78	Ordinary	120	120
27-Mar-2020	The Vanguard Group, Inc.	BUY	85.78	Ordinary	13,995	13,995
30-Mar-2020	The Vanguard Group, Inc.	BUY	84.68	Ordinary	2,410	2,410
30-Mar-2020	The Vanguard Group, Inc.	SELL	90.05	Ordinary	(1,624)	(1,624)
30-Mar-2020	The Vanguard Group, Inc.	BUY	87.54	Ordinary	2,343	2,343
30-Mar-2020	The Vanguard Group, Inc.	BUY	87.54	Ordinary	715	715
30-Mar-2020	The Vanguard Group, Inc.	BUY	87.54	Ordinary	138	138
30-Mar-2020	The Vanguard Group, Inc.	BUY	87.54	Ordinary	138	138
31-Mar-2020	The Vanguard Group, Inc.	BUY	89.00	Ordinary	7,154	7,154
31-Mar-2020	The Vanguard Group, Inc.	SELL	84.57	Ordinary	(8,357)	(8,357)
31-Mar-2020	The Vanguard Group, Inc.	BUY	84.57	Ordinary	148	148
31-Mar-2020	The Vanguard Group, Inc.	BUY	84.57	Ordinary	4,284	4,284
1-Apr-2020	The Vanguard Group, Inc.	BUY	87.84	Ordinary	1,858	1,858
1-Apr-2020	The Vanguard Group, Inc.	SELL	87.93	Ordinary	(17,966)	(17,966)
1-Apr-2020	The Vanguard Group, Inc.	SELL	86.18	Ordinary	(464)	(464)
1-Apr-2020	The Vanguard Group, Inc.	SELL	86.18	Ordinary	(464)	(464)
1-Apr-2020	The Vanguard Group, Inc.	BUY	88.40	Ordinary	1,430	1,430
1-Apr-2020	The Vanguard Group, Inc.	BUY	88.40	Ordinary	530	530
1-Apr-2020	The Vanguard Group, Inc.	BUY	87.84	Ordinary	128	128
2-Apr-2020	The Vanguard Group, Inc.	BUY	89.60	Ordinary	710	710
3-Apr-2020	The Vanguard Group, Inc.	SELL	90.17	Ordinary	(568)	(568)
3-Apr-2020	The Vanguard Group, Inc.	BUY	90.17	Ordinary	721	721
6-Apr-2020	The Vanguard Group, Inc.	BUY	90.38	Ordinary	149	149
6-Apr-2020	The Vanguard Group, Inc.	BUY	90.38	Ordinary	201	201
7-Apr-2020	The Vanguard Group, Inc.	BUY	92.39	Ordinary	1,403	1,403
7-Apr-2020	The Vanguard Group, Inc.	BUY	92.39	Ordinary	6,057	6,057
7-Apr-2020	The Vanguard Group, Inc.	BUY	90.65	Ordinary	153	153
7-Apr-2020	The Vanguard Group, Inc.	BUY	90.65	Ordinary	2,142	2,142
7-Apr-2020	The Vanguard Group, Inc.	SELL	90.65	Ordinary	(193)	(193)
7-Apr-2020	The Vanguard Group, Inc.	SELL	92.39	Ordinary	(237)	(237)
7-Apr-2020	The Vanguard Group, Inc.	SELL	92.39	Ordinary	(40)	(40)
8-Apr-2020	The Vanguard Group, Inc.	BUY	89.12	Ordinary	3,282	3,282
8-Apr-2020	The Vanguard Group, Inc.	BUY	91.53	Ordinary	923	923
8-Apr-2020	The Vanguard Group, Inc.	SELL	89.26	Ordinary	(100)	(100)
8-Apr-2020	The Vanguard Group, Inc.	SELL	89.12	Ordinary	(203)	(203)
8-Apr-2020	The Vanguard Group, Inc.	BUY	89.12	Ordinary	113	113
9-Apr-2020	The Vanguard Group, Inc.	BUY	89.39	Ordinary	429	429
14-Apr-2020	The Vanguard Group, Inc.	SELL	90.83	Ordinary	(887)	(887)
15-Apr-2020	The Vanguard Group, Inc.	BUY	90.08	Ordinary	2,247	2,247
15-Apr-2020	The Vanguard Group, Inc.	SELL	88.92	Ordinary	(1,616)	(1,616)
15-Apr-2020	The Vanguard Group, Inc.	SELL	88.92	Ordinary	(3,636)	(3,636)
15-Apr-2020	The Vanguard Group, Inc.	SELL	88.92	Ordinary	(3,232)	(3,232)
15-Apr-2020	The Vanguard Group, Inc.	SELL	90.08	Ordinary	(141)	(141)
15-Apr-2020	The Vanguard Group, Inc.	BUY	89.78	Ordinary	192	192
16-Apr-2020	The Vanguard Group, Inc.	BUY	88.01	Ordinary	343	343
16-Apr-2020	The Vanguard Group, Inc.	BUY	88.55	Ordinary	714	714
17-Apr-2020	The Vanguard Group, Inc.	BUY	91.56	Ordinary	1,335	1,335
17-Apr-2020	The Vanguard Group, Inc.	BUY	91.56	Ordinary	497	497
20-Apr-2020	The Vanguard Group, Inc.	BUY	87.78	Ordinary	994	994
20-Apr-2020	The Vanguard Group, Inc.	BUY	87.78	Ordinary	568	568
20-Apr-2020	The Vanguard Group, Inc.	SELL	88.92	Ordinary	(54)	(54)
21-Apr-2020	The Vanguard Group, Inc.	BUY	87.69	Ordinary	1,718	1,718
22-Apr-2020	The Vanguard Group, Inc.	BUY	85.00	Ordinary	4,101	4,101
24-Apr-2020	The Vanguard Group, Inc.	SELL	86.79	Ordinary	(439)	(439)
24-Apr-2020	The Vanguard Group, Inc.	BUY	86.79	Ordinary	281	281
27-Apr-2020	The Vanguard Group, Inc.	SELL	87.50	Ordinary	(1,029)	(1,029)
28-Apr-2020	The Vanguard Group, Inc.	BUY	85.15	Ordinary	710	710
30-Apr-2020	The Vanguard Group, Inc.	BUY	87.98	Ordinary	2,919	2,919
30-Apr-2020	The Vanguard Group, Inc.	SELL	86.49	Ordinary	(735)	(735)
30-Apr-2020	The Vanguard Group, Inc.	SELL	86.49	Ordinary	(3,636)	(3,636)

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
30-Apr-2020	The Vanguard Group, Inc.	SELL	87.51	Ordinary	(1,611)	(1,611)
1-May-2020	The Vanguard Group, Inc.	SELL	82.14	Ordinary	(735)	(735)
1-May-2020	The Vanguard Group, Inc.	SELL	82.14	Ordinary	(4,848)	(4,848)
1-May-2020	The Vanguard Group, Inc.	SELL	82.14	Ordinary	(1,440)	(1,440)
6-May-2020	The Vanguard Group, Inc.	BUY	81.99	Ordinary	1,566	1,566
7-May-2020	The Vanguard Group, Inc.	SELL	82.30	Ordinary	(269)	(269)
7-May-2020	The Vanguard Group, Inc.	SELL	82.30	Ordinary	(150)	(150)
7-May-2020	The Vanguard Group, Inc.	BUY	81.51	Ordinary	153	153
8-May-2020	The Vanguard Group, Inc.	SELL	83.12	Ordinary	(2,401)	(2,401)
11-May-2020	The Vanguard Group, Inc.	SELL	83.99	Ordinary	(5,337)	(5,337)
12-May-2020	The Vanguard Group, Inc.	BUY	82.60	Ordinary	153	153
13-May-2020	The Vanguard Group, Inc.	BUY	83.72	Ordinary	713	713
13-May-2020	The Vanguard Group, Inc.	SELL	83.72	Ordinary	(11,001)	(11,001)
14-May-2020	The Vanguard Group, Inc.	SELL	83.74	Ordinary	(5,182)	(5,182)
14-May-2020	The Vanguard Group, Inc.	SELL	83.74	Ordinary	(1,321)	(1,321)
15-May-2020	The Vanguard Group, Inc.	SELL	84.28	Ordinary	(524)	(524)
15-May-2020	The Vanguard Group, Inc.	BUY	85.36	Ordinary	712	712
15-May-2020	The Vanguard Group, Inc.	SELL	84.28	Ordinary	(5,589)	(5,589)
20-May-2020	The Vanguard Group, Inc.	SELL	93.50	Ordinary	(711)	(711)
21-May-2020	The Vanguard Group, Inc.	BUY	95.80	Ordinary	3,311	3,311
21-May-2020	The Vanguard Group, Inc.	BUY	93.19	Ordinary	714	714
22-May-2020	The Vanguard Group, Inc.	SELL	92.88	Ordinary	(1,090)	(1,090)
22-May-2020	The Vanguard Group, Inc.	BUY	91.33	Ordinary	2,033	2,033
27-May-2020	The Vanguard Group, Inc.	BUY	91.52	Ordinary	277	277
28-May-2020	The Vanguard Group, Inc.	BUY	92.88	Ordinary	4,140	4,140
29-May-2020	The Vanguard Group, Inc.	SELL	93.71	Ordinary	(1,602)	(1,602)
29-May-2020	The Vanguard Group, Inc.	SELL	93.71	Ordinary	(1,911)	(1,911)
29-May-2020	The Vanguard Group, Inc.	BUY	93.40	Ordinary	133	133
29-May-2020	The Vanguard Group, Inc.	BUY	93.68	Ordinary	2,662	2,662
1-Jun-2020	The Vanguard Group, Inc.	BUY	97.48	Ordinary	1,725	1,725
2-Jun-2020	The Vanguard Group, Inc.	BUY	96.42	Ordinary	2,114	2,114
2-Jun-2020	The Vanguard Group, Inc.	BUY	97.28	Ordinary	5,175	5,175
2-Jun-2020	The Vanguard Group, Inc.	BUY	96.97	Ordinary	8,105	8,105
3-Jun-2020	The Vanguard Group, Inc.	SELL	97.97	Ordinary	(24,923)	(24,923)
3-Jun-2020	The Vanguard Group, Inc.	BUY	97.42	Ordinary	153	153
4-Jun-2020	The Vanguard Group, Inc.	BUY	98.19	Ordinary	1,725	1,725
4-Jun-2020	The Vanguard Group, Inc.	SELL	98.28	Ordinary	(10,655)	(10,655)
5-Jun-2020	The Vanguard Group, Inc.	SELL	98.26	Ordinary	(16,620)	(16,620)
5-Jun-2020	The Vanguard Group, Inc.	BUY	98.60	Ordinary	296	296
5-Jun-2020	The Vanguard Group, Inc.	BUY	98.00	Ordinary	227	227
9-Jun-2020	The Vanguard Group, Inc.	SELL	101.03	Ordinary	(1,602)	(1,602)
9-Jun-2020	The Vanguard Group, Inc.	SELL	101.39	Ordinary	(4,040)	(4,040)
9-Jun-2020	The Vanguard Group, Inc.	SELL	101.73	Ordinary	(23,378)	(23,378)
9-Jun-2020	The Vanguard Group, Inc.	SELL	101.73	Ordinary	(133)	(133)
9-Jun-2020	The Vanguard Group, Inc.	BUY	101.37	Ordinary	715	715
10-Jun-2020	The Vanguard Group, Inc.	SELL	99.72	Ordinary	(15,431)	(15,431)
10-Jun-2020	The Vanguard Group, Inc.	SELL	100.48	Ordinary	(10,476)	(10,476)
11-Jun-2020	The Vanguard Group, Inc.	SELL	94.56	Ordinary	(1,616)	(1,616)
11-Jun-2020	The Vanguard Group, Inc.	SELL	94.56	Ordinary	(4,040)	(4,040)
11-Jun-2020	The Vanguard Group, Inc.	SELL	94.56	Ordinary	(2,424)	(2,424)
11-Jun-2020	The Vanguard Group, Inc.	BUY	94.56	Ordinary	1,725	1,725
11-Jun-2020	The Vanguard Group, Inc.	SELL	99.17	Ordinary	(6,946)	(6,946)
11-Jun-2020	The Vanguard Group, Inc.	SELL	98.86	Ordinary	(10,562)	(10,562)
12-Jun-2020	The Vanguard Group, Inc.	SELL	97.00	Ordinary	(5,694)	(5,694)
15-Jun-2020	The Vanguard Group, Inc.	SELL	100.22	Ordinary	(2,424)	(2,424)
16-Jun-2020	The Vanguard Group, Inc.	SELL	98.66	Ordinary	(2,087)	(2,087)
17-Jun-2020	The Vanguard Group, Inc.	BUY	98.87	Ordinary	5,551	5,551
19-Jun-2020	The Vanguard Group, Inc.	SELL	96.28	Ordinary	(1,391)	(1,391)
19-Jun-2020	The Vanguard Group, Inc.	SELL	96.22	Ordinary	(7,145)	(7,145)
19-Jun-2020	The Vanguard Group, Inc.	SELL	95.50	Ordinary	(1,869)	(1,869)
19-Jun-2020	The Vanguard Group, Inc.	BUY	96.28	Ordinary	1,176	1,176
19-Jun-2020	The Vanguard Group, Inc.	SELL	95.50	Ordinary	(882)	(882)
19-Jun-2020	The Vanguard Group, Inc.	SELL	96.22	Ordinary	(4,859)	(4,859)
19-Jun-2020	The Vanguard Group, Inc.	SELL	96.22	Ordinary	(52,984)	(52,984)
19-Jun-2020	The Vanguard Group, Inc.	SELL	96.22	Ordinary	(2,951)	(2,951)
19-Jun-2020	The Vanguard Group, Inc.	SELL	96.22	Ordinary	(1,735)	(1,735)
19-Jun-2020	The Vanguard Group, Inc.	SELL	96.22	Ordinary	(212)	(212)
19-Jun-2020	The Vanguard Group, Inc.	BUY	96.28	Ordinary	585	585

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
19-Jun-2020	The Vanguard Group, Inc.	BUY	96.28	Ordinary	3	3
19-Jun-2020	The Vanguard Group, Inc.	SELL	96.22	Ordinary	(204)	(204)
19-Jun-2020	The Vanguard Group, Inc.	BUY	96.28	Ordinary	1,202	1,202
22-Jun-2020	The Vanguard Group, Inc.	BUY	96.70	Ordinary	304	304
22-Jun-2020	The Vanguard Group, Inc.	SELL	95.25	Ordinary	(557)	(557)
23-Jun-2020	The Vanguard Group, Inc.	BUY	98.05	Ordinary	247	247
24-Jun-2020	The Vanguard Group, Inc.	SELL	96.49	Ordinary	(2,630)	(2,630)
24-Jun-2020	The Vanguard Group, Inc.	SELL	96.49	Ordinary	(789)	(789)
24-Jun-2020	The Vanguard Group, Inc.	SELL	96.49	Ordinary	(2,424)	(2,424)
24-Jun-2020	The Vanguard Group, Inc.	SELL	98.37	Ordinary	(11,472)	(11,472)
24-Jun-2020	The Vanguard Group, Inc.	SELL	96.49	Ordinary	(814)	(814)
24-Jun-2020	The Vanguard Group, Inc.	BUY	98.68	Ordinary	189	189
25-Jun-2020	The Vanguard Group, Inc.	SELL	97.70	Ordinary	(13,300)	(13,300)
25-Jun-2020	The Vanguard Group, Inc.	SELL	97.06	Ordinary	(609)	(609)
26-Jun-2020	The Vanguard Group, Inc.	SELL	97.50	Ordinary	(1,469)	(1,469)
29-Jun-2020	The Vanguard Group, Inc.	BUY	97.27	Ordinary	382	382
30-Jun-2020	The Vanguard Group, Inc.	SELL	99.22	Ordinary	(2,020)	(2,020)
30-Jun-2020	The Vanguard Group, Inc.	BUY	97.96	Ordinary	8,647	8,647
30-Jun-2020	The Vanguard Group, Inc.	SELL	97.96	Ordinary	(15)	(15)
1-Jul-2020	The Vanguard Group, Inc.	BUY	97.15	Ordinary	191	191
1-Jul-2020	The Vanguard Group, Inc.	BUY	98.16	Ordinary	819	819
2-Jul-2020	The Vanguard Group, Inc.	BUY	97.48	Ordinary	371	371
2-Jul-2020	The Vanguard Group, Inc.	BUY	97.81	Ordinary	152	152
6-Jul-2020	The Vanguard Group, Inc.	BUY	95.55	Ordinary	740	740
6-Jul-2020	The Vanguard Group, Inc.	BUY	95.45	Ordinary	304	304
7-Jul-2020	The Vanguard Group, Inc.	SELL	96.18	Ordinary	(9,088)	(9,088)
7-Jul-2020	The Vanguard Group, Inc.	BUY	96.29	Ordinary	151	151
7-Jul-2020	The Vanguard Group, Inc.	BUY	96.14	Ordinary	219	219
8-Jul-2020	The Vanguard Group, Inc.	SELL	96.30	Ordinary	(130)	(130)
8-Jul-2020	The Vanguard Group, Inc.	BUY	95.54	Ordinary	152	152
8-Jul-2020	The Vanguard Group, Inc.	BUY	95.54	Ordinary	390	390
9-Jul-2020	The Vanguard Group, Inc.	BUY	97.29	Ordinary	3,861	3,861
9-Jul-2020	The Vanguard Group, Inc.	BUY	98.34	Ordinary	446	446
9-Jul-2020	The Vanguard Group, Inc.	BUY	97.29	Ordinary	842	842
10-Jul-2020	The Vanguard Group, Inc.	BUY	97.99	Ordinary	147	147
14-Jul-2020	The Vanguard Group, Inc.	SELL	101.25	Ordinary	(18,050)	(18,050)
14-Jul-2020	The Vanguard Group, Inc.	SELL	101.25	Ordinary	(4,221)	(4,221)
14-Jul-2020	The Vanguard Group, Inc.	BUY	99.84	Ordinary	1,347	1,347
15-Jul-2020	The Vanguard Group, Inc.	SELL	105.21	Ordinary	(4,320)	(4,320)
15-Jul-2020	The Vanguard Group, Inc.	SELL	105.21	Ordinary	(1,440)	(1,440)
16-Jul-2020	The Vanguard Group, Inc.	BUY	104.45	Ordinary	2,836	2,836
16-Jul-2020	The Vanguard Group, Inc.	SELL	104.45	Ordinary	(113)	(113)
17-Jul-2020	The Vanguard Group, Inc.	SELL	104.97	Ordinary	(5,427)	(5,427)
21-Jul-2020	The Vanguard Group, Inc.	BUY	105.77	Ordinary	1,998	1,998
22-Jul-2020	The Vanguard Group, Inc.	SELL	104.20	Ordinary	(5,452)	(5,452)
23-Jul-2020	The Vanguard Group, Inc.	SELL	103.58	Ordinary	(5,374)	(5,374)
24-Jul-2020	The Vanguard Group, Inc.	SELL	103.11	Ordinary	(5,377)	(5,377)
28-Jul-2020	The Vanguard Group, Inc.	SELL	105.54	Ordinary	(6,025)	(6,025)
29-Jul-2020	The Vanguard Group, Inc.	BUY	103.97	Ordinary	3,863	3,863
30-Jul-2020	The Vanguard Group, Inc.	BUY	104.50	Ordinary	380	380
30-Jul-2020	The Vanguard Group, Inc.	BUY	104.50	Ordinary	118	118
31-Jul-2020	The Vanguard Group, Inc.	BUY	102.22	Ordinary	4,182	4,182
31-Jul-2020	The Vanguard Group, Inc.	SELL	102.22	Ordinary	(5,400)	(5,400)
31-Jul-2020	The Vanguard Group, Inc.	BUY	102.00	Ordinary	147	147
31-Jul-2020	The Vanguard Group, Inc.	BUY	102.00	Ordinary	354	354
3-Aug-2020	The Vanguard Group, Inc.	BUY	103.00	Ordinary	2,136	2,136
3-Aug-2020	The Vanguard Group, Inc.	BUY	102.10	Ordinary	878	878
3-Aug-2020	The Vanguard Group, Inc.	BUY	102.10	Ordinary	362	362
4-Aug-2020	The Vanguard Group, Inc.	BUY	104.75	Ordinary	342	342
4-Aug-2020	The Vanguard Group, Inc.	BUY	105.10	Ordinary	150	150
5-Aug-2020	The Vanguard Group, Inc.	SELL	104.10	Ordinary	(241)	(241)
5-Aug-2020	The Vanguard Group, Inc.	BUY	103.99	Ordinary	207	207
11-Aug-2020	The Vanguard Group, Inc.	BUY	103.20	Ordinary	4,416	4,416
11-Aug-2020	The Vanguard Group, Inc.	BUY	101.90	Ordinary	1,115	1,115
11-Aug-2020	The Vanguard Group, Inc.	BUY	102.79	Ordinary	3,921	3,921
12-Aug-2020	The Vanguard Group, Inc.	BUY	101.40	Ordinary	148	148
13-Aug-2020	The Vanguard Group, Inc.	SELL	101.68	Ordinary	(1,315)	(1,315)
13-Aug-2020	The Vanguard Group, Inc.	SELL	101.68	Ordinary	(1,432)	(1,432)

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
13-Aug-2020	The Vanguard Group, Inc.	BUY	101.51	Ordinary	152	152
13-Aug-2020	The Vanguard Group, Inc.	BUY	101.51	Ordinary	376	376
17-Aug-2020	The Vanguard Group, Inc.	BUY	100.97	Ordinary	3,636	3,636
17-Aug-2020	The Vanguard Group, Inc.	BUY	100.97	Ordinary	4,848	4,848
17-Aug-2020	The Vanguard Group, Inc.	BUY	100.97	Ordinary	1,480	1,480
18-Aug-2020	The Vanguard Group, Inc.	SELL	102.04	Ordinary	(14,845)	(14,845)
18-Aug-2020	The Vanguard Group, Inc.	BUY	102.04	Ordinary	888	888
18-Aug-2020	The Vanguard Group, Inc.	BUY	102.04	Ordinary	14,845	14,845
18-Aug-2020	The Vanguard Group, Inc.	BUY	101.99	Ordinary	3,224	3,224
19-Aug-2020	The Vanguard Group, Inc.	SELL	102.63	Ordinary	(175)	(175)
20-Aug-2020	The Vanguard Group, Inc.	BUY	101.88	Ordinary	384	384
20-Aug-2020	The Vanguard Group, Inc.	BUY	101.88	Ordinary	518	518
20-Aug-2020	The Vanguard Group, Inc.	SELL	100.57	Ordinary	(2,378)	(2,378)
21-Aug-2020	The Vanguard Group, Inc.	BUY	100.71	Ordinary	152	152
21-Aug-2020	The Vanguard Group, Inc.	SELL	100.71	Ordinary	(793)	(793)
25-Aug-2020	The Vanguard Group, Inc.	BUY	101.68	Ordinary	1,041	1,041
26-Aug-2020	The Vanguard Group, Inc.	BUY	100.07	Ordinary	223	223
27-Aug-2020	The Vanguard Group, Inc.	BUY	100.20	Ordinary	2,020	2,020
27-Aug-2020	The Vanguard Group, Inc.	BUY	100.20	Ordinary	1,554	1,554
28-Aug-2020	The Vanguard Group, Inc.	BUY	97.88	Ordinary	152	152
31-Aug-2020	The Vanguard Group, Inc.	BUY	97.57	Ordinary	450	450
31-Aug-2020	The Vanguard Group, Inc.	SELL	98.02	Ordinary	(1,140)	(1,140)
31-Aug-2020	The Vanguard Group, Inc.	BUY	98.03	Ordinary	463	463
1-Sep-2020	The Vanguard Group, Inc.	SELL	98.15	Ordinary	(148,497)	(148,497)
1-Sep-2020	The Vanguard Group, Inc.	BUY	98.15	Ordinary	148,497	148,497
2-Sep-2020	The Vanguard Group, Inc.	BUY	100.05	Ordinary	740	740
2-Sep-2020	The Vanguard Group, Inc.	SELL	99.00	Ordinary	(193)	(193)
2-Sep-2020	The Vanguard Group, Inc.	BUY	98.99	Ordinary	4,055	4,055
3-Sep-2020	The Vanguard Group, Inc.	BUY	95.68	Ordinary	740	740
3-Sep-2020	The Vanguard Group, Inc.	BUY	98.31	Ordinary	147	147
3-Sep-2020	The Vanguard Group, Inc.	BUY	98.31	Ordinary	559	559
3-Sep-2020	The Vanguard Group, Inc.	BUY	99.41	Ordinary	3,007	3,007
4-Sep-2020	The Vanguard Group, Inc.	BUY	94.97	Ordinary	740	740
4-Sep-2020	The Vanguard Group, Inc.	BUY	96.05	Ordinary	4,588	4,588
4-Sep-2020	The Vanguard Group, Inc.	SELL	95.58	Ordinary	(2,588)	(2,588)
8-Sep-2020	The Vanguard Group, Inc.	BUY	99.28	Ordinary	3,491	3,491
8-Sep-2020	The Vanguard Group, Inc.	BUY	99.28	Ordinary	113	113
8-Sep-2020	The Vanguard Group, Inc.	SELL	99.28	Ordinary	(1,811)	(1,811)
9-Sep-2020	The Vanguard Group, Inc.	BUY	99.08	Ordinary	147	147
10-Sep-2020	The Vanguard Group, Inc.	BUY	100.86	Ordinary	4,356	4,356
10-Sep-2020	The Vanguard Group, Inc.	SELL	100.45	Ordinary	(3,947)	(3,947)
11-Sep-2020	The Vanguard Group, Inc.	BUY	99.28	Ordinary	1,110	1,110
11-Sep-2020	The Vanguard Group, Inc.	BUY	99.86	Ordinary	496	496
14-Sep-2020	The Vanguard Group, Inc.	SELL	103.73	Ordinary	(4,958)	(4,958)
15-Sep-2020	The Vanguard Group, Inc.	SELL	102.13	Ordinary	(3,578)	(3,578)
16-Sep-2020	The Vanguard Group, Inc.	BUY	102.42	Ordinary	450	450
17-Sep-2020	The Vanguard Group, Inc.	SELL	99.31	Ordinary	(7,073)	(7,073)
17-Sep-2020	The Vanguard Group, Inc.	BUY	99.31	Ordinary	147	147
17-Sep-2020	The Vanguard Group, Inc.	BUY	99.31	Ordinary	113	113
18-Sep-2020	The Vanguard Group, Inc.	SELL	100.57	Ordinary	(1,327)	(1,327)
18-Sep-2020	The Vanguard Group, Inc.	SELL	100.76	Ordinary	(5,076)	(5,076)
18-Sep-2020	The Vanguard Group, Inc.	SELL	100.57	Ordinary	(2,899)	(2,899)
18-Sep-2020	The Vanguard Group, Inc.	SELL	100.76	Ordinary	(70,111)	(70,111)
18-Sep-2020	The Vanguard Group, Inc.	SELL	100.76	Ordinary	(2,274)	(2,274)
18-Sep-2020	The Vanguard Group, Inc.	BUY	99.52	Ordinary	225	225
18-Sep-2020	The Vanguard Group, Inc.	SELL	100.76	Ordinary	(395)	(395)
18-Sep-2020	The Vanguard Group, Inc.	SELL	100.76	Ordinary	(1,766)	(1,766)
18-Sep-2020	The Vanguard Group, Inc.	SELL	100.76	Ordinary	(2,166)	(2,166)
18-Sep-2020	The Vanguard Group, Inc.	SELL	100.76	Ordinary	(872)	(872)
18-Sep-2020	The Vanguard Group, Inc.	BUY	100.57	Ordinary	377	377
18-Sep-2020	The Vanguard Group, Inc.	SELL	100.76	Ordinary	(192)	(192)
18-Sep-2020	The Vanguard Group, Inc.	BUY	100.57	Ordinary	13	13
18-Sep-2020	The Vanguard Group, Inc.	SELL	100.76	Ordinary	(132)	(132)
22-Sep-2020	The Vanguard Group, Inc.	BUY	97.95	Ordinary	448	448
23-Sep-2020	The Vanguard Group, Inc.	SELL	97.90	Ordinary	(229)	(229)
23-Sep-2020	The Vanguard Group, Inc.	BUY	97.50	Ordinary	149	149
24-Sep-2020	The Vanguard Group, Inc.	SELL	97.19	Ordinary	(7,218)	(7,218)
24-Sep-2020	The Vanguard Group, Inc.	BUY	97.19	Ordinary	407	407

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24-Sep-2020	The Vanguard Group, Inc.	SELL	96.26	Ordinary	(3,721)	(3,721)
29-Sep-2020	The Vanguard Group, Inc.	SELL	95.06	Ordinary	(150,340)	(150,340)
29-Sep-2020	The Vanguard Group, Inc.	BUY	95.06	Ordinary	150,340	150,340
29-Sep-2020	The Vanguard Group, Inc.	SELL	95.82	Ordinary	(2,238)	(2,238)
30-Sep-2020	The Vanguard Group, Inc.	BUY	94.32	Ordinary	182	182
30-Sep-2020	The Vanguard Group, Inc.	BUY	94.32	Ordinary	477	477
30-Sep-2020	The Vanguard Group, Inc.	SELL	94.32	Ordinary	(169)	(169)
2-Oct-2020	The Vanguard Group, Inc.	BUY	94.07	Ordinary	2,370	2,370
2-Oct-2020	The Vanguard Group, Inc.	BUY	93.60	Ordinary	113	113
5-Oct-2020	The Vanguard Group, Inc.	BUY	95.70	Ordinary	1,410	1,410
6-Oct-2020	The Vanguard Group, Inc.	BUY	95.12	Ordinary	224	224
6-Oct-2020	The Vanguard Group, Inc.	BUY	96.02	Ordinary	165	165
7-Oct-2020	The Vanguard Group, Inc.	BUY	96.07	Ordinary	1,130	1,130
7-Oct-2020	The Vanguard Group, Inc.	SELL	96.07	Ordinary	(1,032)	(1,032)
9-Oct-2020	The Vanguard Group, Inc.	BUY	97.68	Ordinary	1,280	1,280
9-Oct-2020	The Vanguard Group, Inc.	BUY	97.68	Ordinary	5,135	5,135
9-Oct-2020	The Vanguard Group, Inc.	BUY	97.78	Ordinary	6,747	6,747
9-Oct-2020	The Vanguard Group, Inc.	BUY	97.68	Ordinary	1,975	1,975
9-Oct-2020	The Vanguard Group, Inc.	BUY	97.68	Ordinary	2,220	2,220
12-Oct-2020	The Vanguard Group, Inc.	BUY	96.64	Ordinary	7,041	7,041
13-Oct-2020	The Vanguard Group, Inc.	BUY	96.55	Ordinary	165	165
13-Oct-2020	The Vanguard Group, Inc.	SELL	96.55	Ordinary	(4,307)	(4,307)
14-Oct-2020	The Vanguard Group, Inc.	SELL	96.10	Ordinary	(233)	(233)
14-Oct-2020	The Vanguard Group, Inc.	SELL	95.33	Ordinary	(3,682)	(3,682)
14-Oct-2020	The Vanguard Group, Inc.	BUY	95.33	Ordinary	287	287
16-Oct-2020	The Vanguard Group, Inc.	BUY	95.45	Ordinary	64	64
19-Oct-2020	The Vanguard Group, Inc.	BUY	95.56	Ordinary	330	330
21-Oct-2020	The Vanguard Group, Inc.	SELL	95.30	Ordinary	(3,102)	(3,102)
21-Oct-2020	The Vanguard Group, Inc.	BUY	95.30	Ordinary	924	924
22-Oct-2020	The Vanguard Group, Inc.	SELL	94.82	Ordinary	(1,996)	(1,996)
22-Oct-2020	The Vanguard Group, Inc.	SELL	94.82	Ordinary	(2,848)	(2,848)
22-Oct-2020	The Vanguard Group, Inc.	BUY	96.22	Ordinary	190	190
23-Oct-2020	The Vanguard Group, Inc.	SELL	95.40	Ordinary	(502)	(502)
26-Oct-2020	The Vanguard Group, Inc.	BUY	95.00	Ordinary	2,388	2,388
27-Oct-2020	The Vanguard Group, Inc.	BUY	92.30	Ordinary	1,410	1,410
28-Oct-2020	The Vanguard Group, Inc.	SELL	92.06	Ordinary	(107)	(107)
28-Oct-2020	The Vanguard Group, Inc.	BUY	90.03	Ordinary	448	448
29-Oct-2020	The Vanguard Group, Inc.	BUY	91.29	Ordinary	224	224
30-Oct-2020	The Vanguard Group, Inc.	BUY	92.43	Ordinary	1,980	1,980
30-Oct-2020	The Vanguard Group, Inc.	BUY	92.43	Ordinary	627	627
2-Nov-2020	The Vanguard Group, Inc.	BUY	92.50	Ordinary	1,980	1,980
2-Nov-2020	The Vanguard Group, Inc.	BUY	92.50	Ordinary	190	190
3-Nov-2020	The Vanguard Group, Inc.	BUY	95.50	Ordinary	672	672
3-Nov-2020	The Vanguard Group, Inc.	SELL	94.79	Ordinary	(258)	(258)
5-Nov-2020	The Vanguard Group, Inc.	BUY	91.95	Ordinary	5,003	5,003
5-Nov-2020	The Vanguard Group, Inc.	BUY	91.95	Ordinary	24	24
6-Nov-2020	The Vanguard Group, Inc.	BUY	93.40	Ordinary	165	165
6-Nov-2020	The Vanguard Group, Inc.	BUY	93.40	Ordinary	436	436
10-Nov-2020	The Vanguard Group, Inc.	SELL	95.44	Ordinary	(1,155)	(1,155)
10-Nov-2020	The Vanguard Group, Inc.	SELL	96.86	Ordinary	(3,824)	(3,824)
11-Nov-2020	The Vanguard Group, Inc.	SELL	97.00	Ordinary	(70)	(70)
12-Nov-2020	The Vanguard Group, Inc.	BUY	96.48	Ordinary	189	189
12-Nov-2020	The Vanguard Group, Inc.	BUY	96.48	Ordinary	124	124
13-Nov-2020	The Vanguard Group, Inc.	BUY	96.09	Ordinary	3,324	3,324
16-Nov-2020	The Vanguard Group, Inc.	BUY	97.92	Ordinary	992	992
16-Nov-2020	The Vanguard Group, Inc.	BUY	97.92	Ordinary	448	448
17-Nov-2020	The Vanguard Group, Inc.	BUY	98.80	Ordinary	990	990
17-Nov-2020	The Vanguard Group, Inc.	BUY	97.38	Ordinary	5,463	5,463
18-Nov-2020	The Vanguard Group, Inc.	BUY	97.14	Ordinary	448	448
19-Nov-2020	The Vanguard Group, Inc.	BUY	98.92	Ordinary	141	141
19-Nov-2020	The Vanguard Group, Inc.	BUY	98.07	Ordinary	439	439
20-Nov-2020	The Vanguard Group, Inc.	BUY	99.45	Ordinary	2,352	2,352
20-Nov-2020	The Vanguard Group, Inc.	BUY	99.45	Ordinary	3,863	3,863
20-Nov-2020	The Vanguard Group, Inc.	BUY	99.45	Ordinary	391	391
20-Nov-2020	The Vanguard Group, Inc.	BUY	99.45	Ordinary	3,047	3,047
20-Nov-2020	The Vanguard Group, Inc.	BUY	99.45	Ordinary	756	756
20-Nov-2020	The Vanguard Group, Inc.	BUY	99.45	Ordinary	122	122
20-Nov-2020	The Vanguard Group, Inc.	BUY	99.45	Ordinary	17	17

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20-Nov-2020	The Vanguard Group, Inc.	BUY	98.92	Ordinary	362	362
24-Nov-2020	The Vanguard Group, Inc.	BUY	103.13	Ordinary	190	190
25-Nov-2020	The Vanguard Group, Inc.	BUY	104.28	Ordinary	165	165
25-Nov-2020	The Vanguard Group, Inc.	BUY	104.28	Ordinary	505	505
26-Nov-2020	The Vanguard Group, Inc.	BUY	102.86	Ordinary	1,412	1,412
27-Nov-2020	The Vanguard Group, Inc.	SELL	102.00	Ordinary	(29,215)	(29,215)
30-Nov-2020	The Vanguard Group, Inc.	BUY	101.40	Ordinary	138	138
30-Nov-2020	The Vanguard Group, Inc.	BUY	101.40	Ordinary	189	189
30-Nov-2020	The Vanguard Group, Inc.	SELL	101.77	Ordinary	(1,915)	(1,915)
1-Dec-2020	The Vanguard Group, Inc.	BUY	102.95	Ordinary	165	165
1-Dec-2020	The Vanguard Group, Inc.	BUY	102.95	Ordinary	330	330
1-Dec-2020	The Vanguard Group, Inc.	BUY	102.95	Ordinary	343	343
1-Dec-2020	The Vanguard Group, Inc.	BUY	101.90	Ordinary	816	816
2-Dec-2020	The Vanguard Group, Inc.	BUY	104.99	Ordinary	488	488
2-Dec-2020	The Vanguard Group, Inc.	BUY	104.99	Ordinary	2,984	2,984
3-Dec-2020	The Vanguard Group, Inc.	BUY	112.13	Ordinary	2,520	2,520
4-Dec-2020	The Vanguard Group, Inc.	BUY	113.20	Ordinary	190	190
7-Dec-2020	The Vanguard Group, Inc.	BUY	116.04	Ordinary	452	452
7-Dec-2020	The Vanguard Group, Inc.	BUY	116.04	Ordinary	678	678
7-Dec-2020	The Vanguard Group, Inc.	BUY	115.98	Ordinary	706	706
7-Dec-2020	The Vanguard Group, Inc.	BUY	115.98	Ordinary	385	385
8-Dec-2020	The Vanguard Group, Inc.	BUY	115.53	Ordinary	372	372
8-Dec-2020	The Vanguard Group, Inc.	BUY	115.53	Ordinary	3,150	3,150
8-Dec-2020	The Vanguard Group, Inc.	BUY	115.02	Ordinary	393	393
9-Dec-2020	The Vanguard Group, Inc.	BUY	114.62	Ordinary	1,050	1,050
10-Dec-2020	The Vanguard Group, Inc.	BUY	115.14	Ordinary	524	524
10-Dec-2020	The Vanguard Group, Inc.	SELL	115.45	Ordinary	(219)	(219)
11-Dec-2020	The Vanguard Group, Inc.	BUY	116.13	Ordinary	786	786
11-Dec-2020	The Vanguard Group, Inc.	SELL	116.13	Ordinary	(8,891)	(8,891)
11-Dec-2020	The Vanguard Group, Inc.	BUY	116.13	Ordinary	678	678
14-Dec-2020	The Vanguard Group, Inc.	BUY	113.94	Ordinary	300	300
14-Dec-2020	The Vanguard Group, Inc.	SELL	116.20	Ordinary	(1,782)	(1,782)
15-Dec-2020	The Vanguard Group, Inc.	BUY	113.31	Ordinary	2,450	2,450
16-Dec-2020	The Vanguard Group, Inc.	BUY	114.37	Ordinary	706	706
16-Dec-2020	The Vanguard Group, Inc.	BUY	114.37	Ordinary	191	191
17-Dec-2020	The Vanguard Group, Inc.	SELL	114.47	Ordinary	(2,795)	(2,795)
18-Dec-2020	The Vanguard Group, Inc.	BUY	117.46	Ordinary	1,008	1,008
18-Dec-2020	The Vanguard Group, Inc.	BUY	117.46	Ordinary	252	252
18-Dec-2020	The Vanguard Group, Inc.	SELL	117.51	Ordinary	(4,261)	(4,261)
18-Dec-2020	The Vanguard Group, Inc.	SELL	117.51	Ordinary	(1,243)	(1,243)
18-Dec-2020	The Vanguard Group, Inc.	SELL	117.51	Ordinary	(17,442)	(17,442)
18-Dec-2020	The Vanguard Group, Inc.	SELL	117.51	Ordinary	(58,637)	(58,637)
18-Dec-2020	The Vanguard Group, Inc.	SELL	117.51	Ordinary	(4,287)	(4,287)
18-Dec-2020	The Vanguard Group, Inc.	SELL	117.51	Ordinary	(374)	(374)
18-Dec-2020	The Vanguard Group, Inc.	SELL	117.51	Ordinary	(4,142)	(4,142)
18-Dec-2020	The Vanguard Group, Inc.	BUY	117.53	Ordinary	703	703
18-Dec-2020	The Vanguard Group, Inc.	SELL	117.51	Ordinary	(257)	(257)
18-Dec-2020	The Vanguard Group, Inc.	SELL	117.51	Ordinary	(198)	(198)
18-Dec-2020	The Vanguard Group, Inc.	BUY	117.53	Ordinary	3,483	3,483
18-Dec-2020	The Vanguard Group, Inc.	BUY	117.53	Ordinary	366	366
21-Dec-2020	The Vanguard Group, Inc.	SELL	118.60	Ordinary	(7,078)	(7,078)
21-Dec-2020	The Vanguard Group, Inc.	BUY	118.60	Ordinary	703	703
21-Dec-2020	The Vanguard Group, Inc.	BUY	117.55	Ordinary	395	395
22-Dec-2020	The Vanguard Group, Inc.	BUY	115.66	Ordinary	1,004	1,004
22-Dec-2020	The Vanguard Group, Inc.	BUY	117.47	Ordinary	3,377	3,377
22-Dec-2020	The Vanguard Group, Inc.	BUY	115.66	Ordinary	1,645	1,645
22-Dec-2020	The Vanguard Group, Inc.	SELL	117.47	Ordinary	(100)	(100)
23-Dec-2020	The Vanguard Group, Inc.	SELL	114.85	Ordinary	(134)	(134)
23-Dec-2020	The Vanguard Group, Inc.	BUY	114.85	Ordinary	4,359	4,359
24-Dec-2020	The Vanguard Group, Inc.	BUY	116.25	Ordinary	6,319	6,319
24-Dec-2020	The Vanguard Group, Inc.	BUY	115.35	Ordinary	161	161
24-Dec-2020	The Vanguard Group, Inc.	BUY	115.35	Ordinary	701	701
29-Dec-2020	The Vanguard Group, Inc.	BUY	114.68	Ordinary	434	434
30-Dec-2020	The Vanguard Group, Inc.	BUY	115.45	Ordinary	217	217
30-Dec-2020	The Vanguard Group, Inc.	BUY	115.78	Ordinary	3,069	3,069
30-Dec-2020	The Vanguard Group, Inc.	BUY	115.78	Ordinary	322	322
30-Dec-2020	The Vanguard Group, Inc.	SELL	115.78	Ordinary	(143)	(143)
30-Dec-2020	The Vanguard Group, Inc.	SELL	115.78	Ordinary	(4,214)	(4,214)

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
31-Dec-2020	The Vanguard Group, Inc.	SELL	114.07	Ordinary	(5,244)	(5,244)
31-Dec-2020	The Vanguard Group, Inc.	BUY	113.83	Ordinary	458	458
31-Dec-2020	The Vanguard Group, Inc.	BUY	114.07	Ordinary	5,244	5,244
4-Jan-2021	The Vanguard Group, Inc.	BUY	114.50	Ordinary	1,424	1,424
5-Jan-2021	The Vanguard Group, Inc.	BUY	118.15	Ordinary	1,506	1,506
5-Jan-2021	The Vanguard Group, Inc.	BUY	118.15	Ordinary	715	715
5-Jan-2021	The Vanguard Group, Inc.	BUY	118.15	Ordinary	858	858
5-Jan-2021	The Vanguard Group, Inc.	SELL	117.32	Ordinary	(237)	(237)
5-Jan-2021	The Vanguard Group, Inc.	BUY	117.79	Ordinary	704	704
6-Jan-2021	The Vanguard Group, Inc.	BUY	116.68	Ordinary	1,316	1,316
6-Jan-2021	The Vanguard Group, Inc.	SELL	118.23	Ordinary	(76)	(76)
6-Jan-2021	The Vanguard Group, Inc.	BUY	115.75	Ordinary	161	161
6-Jan-2021	The Vanguard Group, Inc.	SELL	115.75	Ordinary	(35)	(35)
7-Jan-2021	The Vanguard Group, Inc.	BUY	126.73	Ordinary	6,275	6,275
7-Jan-2021	The Vanguard Group, Inc.	BUY	126.73	Ordinary	572	572
7-Jan-2021	The Vanguard Group, Inc.	BUY	126.73	Ordinary	5,922	5,922
7-Jan-2021	The Vanguard Group, Inc.	BUY	118.70	Ordinary	1,843	1,843
7-Jan-2021	The Vanguard Group, Inc.	BUY	125.66	Ordinary	192	192
8-Jan-2021	The Vanguard Group, Inc.	BUY	124.14	Ordinary	3,765	3,765
8-Jan-2021	The Vanguard Group, Inc.	BUY	124.14	Ordinary	1,144	1,144
8-Jan-2021	The Vanguard Group, Inc.	BUY	124.14	Ordinary	4,752	4,752
8-Jan-2021	The Vanguard Group, Inc.	BUY	124.01	Ordinary	1,771	1,771
8-Jan-2021	The Vanguard Group, Inc.	BUY	124.01	Ordinary	450	450
8-Jan-2021	The Vanguard Group, Inc.	SELL	126.69	Ordinary	(20)	(20)
8-Jan-2021	The Vanguard Group, Inc.	BUY	124.01	Ordinary	1,790	1,790
11-Jan-2021	The Vanguard Group, Inc.	BUY	122.40	Ordinary	705	705
11-Jan-2021	The Vanguard Group, Inc.	SELL	122.40	Ordinary	(133)	(133)
12-Jan-2021	The Vanguard Group, Inc.	BUY	121.38	Ordinary	987	987
12-Jan-2021	The Vanguard Group, Inc.	BUY	121.38	Ordinary	2,632	2,632
12-Jan-2021	The Vanguard Group, Inc.	BUY	121.41	Ordinary	161	161
12-Jan-2021	The Vanguard Group, Inc.	BUY	121.41	Ordinary	92	92
12-Jan-2021	The Vanguard Group, Inc.	BUY	122.62	Ordinary	726	726
13-Jan-2021	The Vanguard Group, Inc.	BUY	120.87	Ordinary	715	715
13-Jan-2021	The Vanguard Group, Inc.	BUY	120.87	Ordinary	2,772	2,772
13-Jan-2021	The Vanguard Group, Inc.	BUY	120.87	Ordinary	651	651
13-Jan-2021	The Vanguard Group, Inc.	BUY	120.87	Ordinary	651	651
13-Jan-2021	The Vanguard Group, Inc.	BUY	120.74	Ordinary	161	161
13-Jan-2021	The Vanguard Group, Inc.	BUY	120.74	Ordinary	658	658
13-Jan-2021	The Vanguard Group, Inc.	BUY	122.18	Ordinary	367	367
14-Jan-2021	The Vanguard Group, Inc.	BUY	119.27	Ordinary	753	753
14-Jan-2021	The Vanguard Group, Inc.	BUY	119.27	Ordinary	572	572
14-Jan-2021	The Vanguard Group, Inc.	BUY	119.27	Ordinary	434	434
14-Jan-2021	The Vanguard Group, Inc.	BUY	119.66	Ordinary	192	192
14-Jan-2021	The Vanguard Group, Inc.	SELL	119.66	Ordinary	(367)	(367)
15-Jan-2021	The Vanguard Group, Inc.	BUY	120.24	Ordinary	1,085	1,085
18-Jan-2021	The Vanguard Group, Inc.	BUY	118.79	Ordinary	704	704
18-Jan-2021	The Vanguard Group, Inc.	BUY	118.40	Ordinary	2,827	2,827
19-Jan-2021	The Vanguard Group, Inc.	BUY	119.63	Ordinary	161	161
19-Jan-2021	The Vanguard Group, Inc.	SELL	119.63	Ordinary	(126)	(126)
19-Jan-2021	The Vanguard Group, Inc.	SELL	119.63	Ordinary	(34)	(34)
19-Jan-2021	The Vanguard Group, Inc.	BUY	119.63	Ordinary	8,761	8,761
21-Jan-2021	The Vanguard Group, Inc.	BUY	121.66	Ordinary	1,584	1,584
21-Jan-2021	The Vanguard Group, Inc.	BUY	121.66	Ordinary	2,961	2,961
22-Jan-2021	The Vanguard Group, Inc.	SELL	121.03	Ordinary	(55)	(55)
22-Jan-2021	The Vanguard Group, Inc.	BUY	121.03	Ordinary	1,078	1,078
22-Jan-2021	The Vanguard Group, Inc.	BUY	119.32	Ordinary	322	322
22-Jan-2021	The Vanguard Group, Inc.	BUY	119.32	Ordinary	1,408	1,408
22-Jan-2021	The Vanguard Group, Inc.	BUY	119.32	Ordinary	4,316	4,316
22-Jan-2021	The Vanguard Group, Inc.	BUY	121.03	Ordinary	220	220
25-Jan-2021	The Vanguard Group, Inc.	BUY	121.98	Ordinary	3,564	3,564
25-Jan-2021	The Vanguard Group, Inc.	BUY	121.77	Ordinary	375	375
27-Jan-2021	The Vanguard Group, Inc.	BUY	118.24	Ordinary	2,486	2,486
27-Jan-2021	The Vanguard Group, Inc.	BUY	117.05	Ordinary	704	704
27-Jan-2021	The Vanguard Group, Inc.	BUY	117.05	Ordinary	598	598
28-Jan-2021	The Vanguard Group, Inc.	BUY	114.28	Ordinary	2,376	2,376
28-Jan-2021	The Vanguard Group, Inc.	SELL	115.11	Ordinary	(126)	(126)
28-Jan-2021	The Vanguard Group, Inc.	BUY	114.28	Ordinary	651	651
28-Jan-2021	The Vanguard Group, Inc.	BUY	114.28	Ordinary	434	434

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28-Jan-2021	The Vanguard Group, Inc.	BUY	113.70	Ordinary	161	161
28-Jan-2021	The Vanguard Group, Inc.	SELL	113.70	Ordinary	(137)	(137)
28-Jan-2021	The Vanguard Group, Inc.	BUY	113.70	Ordinary	4,647	4,647
29-Jan-2021	The Vanguard Group, Inc.	BUY	109.52	Ordinary	1,255	1,255
29-Jan-2021	The Vanguard Group, Inc.	BUY	109.52	Ordinary	2,376	2,376
29-Jan-2021	The Vanguard Group, Inc.	BUY	109.52	Ordinary	987	987
29-Jan-2021	The Vanguard Group, Inc.	BUY	110.31	Ordinary	322	322
29-Jan-2021	The Vanguard Group, Inc.	BUY	110.31	Ordinary	744	744
1-Feb-2021	The Vanguard Group, Inc.	SELL	111.27	Ordinary	(1,449)	(1,449)
1-Feb-2021	The Vanguard Group, Inc.	BUY	111.27	Ordinary	279	279
1-Feb-2021	The Vanguard Group, Inc.	BUY	111.27	Ordinary	627	627
3-Feb-2021	The Vanguard Group, Inc.	BUY	113.98	Ordinary	885	885
3-Feb-2021	The Vanguard Group, Inc.	SELL	113.98	Ordinary	(155)	(155)
3-Feb-2021	The Vanguard Group, Inc.	BUY	113.76	Ordinary	146	146
4-Feb-2021	The Vanguard Group, Inc.	BUY	115.43	Ordinary	2,376	2,376
4-Feb-2021	The Vanguard Group, Inc.	BUY	114.28	Ordinary	471	471
5-Feb-2021	The Vanguard Group, Inc.	BUY	113.33	Ordinary	161	161
5-Feb-2021	The Vanguard Group, Inc.	SELL	114.74	Ordinary	(590)	(590)
8-Feb-2021	The Vanguard Group, Inc.	BUY	114.34	Ordinary	2,466	2,466
8-Feb-2021	The Vanguard Group, Inc.	BUY	117.45	Ordinary	434	434
10-Feb-2021	The Vanguard Group, Inc.	BUY	116.93	Ordinary	502	502
10-Feb-2021	The Vanguard Group, Inc.	BUY	116.93	Ordinary	1,188	1,188
10-Feb-2021	The Vanguard Group, Inc.	BUY	116.93	Ordinary	1,316	1,316
10-Feb-2021	The Vanguard Group, Inc.	BUY	116.93	Ordinary	4,606	4,606
10-Feb-2021	The Vanguard Group, Inc.	BUY	117.43	Ordinary	322	322
10-Feb-2021	The Vanguard Group, Inc.	BUY	117.43	Ordinary	531	531
10-Feb-2021	The Vanguard Group, Inc.	BUY	117.43	Ordinary	321	321
11-Feb-2021	The Vanguard Group, Inc.	BUY	118.67	Ordinary	2,008	2,008
11-Feb-2021	The Vanguard Group, Inc.	BUY	118.67	Ordinary	3,168	3,168
11-Feb-2021	The Vanguard Group, Inc.	BUY	118.67	Ordinary	1,316	1,316
11-Feb-2021	The Vanguard Group, Inc.	BUY	118.67	Ordinary	868	868
11-Feb-2021	The Vanguard Group, Inc.	BUY	118.72	Ordinary	161	161
11-Feb-2021	The Vanguard Group, Inc.	BUY	118.72	Ordinary	5,278	5,278
12-Feb-2021	The Vanguard Group, Inc.	BUY	118.10	Ordinary	1,255	1,255
12-Feb-2021	The Vanguard Group, Inc.	BUY	118.10	Ordinary	3,564	3,564
12-Feb-2021	The Vanguard Group, Inc.	BUY	118.10	Ordinary	987	987
12-Feb-2021	The Vanguard Group, Inc.	BUY	117.35	Ordinary	161	161
15-Feb-2021	The Vanguard Group, Inc.	BUY	119.73	Ordinary	1,701	1,701
16-Feb-2021	The Vanguard Group, Inc.	BUY	123.05	Ordinary	752	752
16-Feb-2021	The Vanguard Group, Inc.	SELL	123.05	Ordinary	(109)	(109)
17-Feb-2021	The Vanguard Group, Inc.	BUY	124.11	Ordinary	2,962	2,962
17-Feb-2021	The Vanguard Group, Inc.	BUY	127.47	Ordinary	514	514
17-Feb-2021	The Vanguard Group, Inc.	BUY	127.47	Ordinary	90	90
18-Feb-2021	The Vanguard Group, Inc.	BUY	127.45	Ordinary	5,582	5,582
18-Feb-2021	The Vanguard Group, Inc.	BUY	127.50	Ordinary	161	161
18-Feb-2021	The Vanguard Group, Inc.	BUY	127.50	Ordinary	2,034	2,034
19-Feb-2021	The Vanguard Group, Inc.	BUY	123.00	Ordinary	1,255	1,255
19-Feb-2021	The Vanguard Group, Inc.	BUY	123.26	Ordinary	322	322
19-Feb-2021	The Vanguard Group, Inc.	SELL	126.79	Ordinary	(516)	(516)
22-Feb-2021	The Vanguard Group, Inc.	SELL	127.54	Ordinary	(8,185)	(8,185)
22-Feb-2021	The Vanguard Group, Inc.	SELL	127.74	Ordinary	(1,412)	(1,412)
23-Feb-2021	The Vanguard Group, Inc.	BUY	129.68	Ordinary	434	434
23-Feb-2021	The Vanguard Group, Inc.	BUY	129.68	Ordinary	651	651
23-Feb-2021	The Vanguard Group, Inc.	SELL	130.00	Ordinary	(2,069)	(2,069)
24-Feb-2021	The Vanguard Group, Inc.	BUY	128.60	Ordinary	1,755	1,755
24-Feb-2021	The Vanguard Group, Inc.	BUY	127.59	Ordinary	434	434
24-Feb-2021	The Vanguard Group, Inc.	BUY	126.45	Ordinary	161	161
24-Feb-2021	The Vanguard Group, Inc.	BUY	126.45	Ordinary	193	193
25-Feb-2021	The Vanguard Group, Inc.	BUY	126.80	Ordinary	2,604	2,604
25-Feb-2021	The Vanguard Group, Inc.	BUY	128.88	Ordinary	161	161
25-Feb-2021	The Vanguard Group, Inc.	SELL	128.88	Ordinary	(2,230)	(2,230)
25-Feb-2021	The Vanguard Group, Inc.	SELL	128.88	Ordinary	(158)	(158)
25-Feb-2021	The Vanguard Group, Inc.	BUY	128.88	Ordinary	134	134
25-Feb-2021	The Vanguard Group, Inc.	BUY	128.88	Ordinary	482	482
26-Feb-2021	The Vanguard Group, Inc.	SELL	127.32	Ordinary	(9)	(9)
26-Feb-2021	The Vanguard Group, Inc.	BUY	127.19	Ordinary	161	161
26-Feb-2021	The Vanguard Group, Inc.	SELL	127.19	Ordinary	(10,376)	(10,376)
1-Mar-2021	The Vanguard Group, Inc.	BUY	128.84	Ordinary	1,812	1,812

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1-Mar-2021	The Vanguard Group, Inc.	BUY	128.84	Ordinary	434	434
1-Mar-2021	The Vanguard Group, Inc.	BUY	127.70	Ordinary	805	805
1-Mar-2021	The Vanguard Group, Inc.	BUY	127.70	Ordinary	192	192
2-Mar-2021	The Vanguard Group, Inc.	BUY	127.18	Ordinary	161	161
2-Mar-2021	The Vanguard Group, Inc.	BUY	127.18	Ordinary	138	138
2-Mar-2021	The Vanguard Group, Inc.	BUY	128.59	Ordinary	296	296
3-Mar-2021	The Vanguard Group, Inc.	SELL	129.46	Ordinary	(123)	(123)
3-Mar-2021	The Vanguard Group, Inc.	BUY	129.75	Ordinary	771	771
3-Mar-2021	The Vanguard Group, Inc.	BUY	129.75	Ordinary	475	475
3-Mar-2021	The Vanguard Group, Inc.	BUY	129.75	Ordinary	2,184	2,184
3-Mar-2021	The Vanguard Group, Inc.	BUY	129.75	Ordinary	320	320
3-Mar-2021	The Vanguard Group, Inc.	BUY	129.46	Ordinary	558	558
3-Mar-2021	The Vanguard Group, Inc.	BUY	129.46	Ordinary	794	794
4-Mar-2021	The Vanguard Group, Inc.	BUY	121.21	Ordinary	434	434
4-Mar-2021	The Vanguard Group, Inc.	BUY	121.67	Ordinary	152	152
4-Mar-2021	The Vanguard Group, Inc.	BUY	123.97	Ordinary	2,962	2,962
5-Mar-2021	The Vanguard Group, Inc.	BUY	118.94	Ordinary	223	223
5-Mar-2021	The Vanguard Group, Inc.	BUY	117.68	Ordinary	161	161
8-Mar-2021	The Vanguard Group, Inc.	BUY	121.62	Ordinary	434	434
8-Mar-2021	The Vanguard Group, Inc.	SELL	121.11	Ordinary	(17,321)	(17,321)
9-Mar-2021	The Vanguard Group, Inc.	BUY	121.77	Ordinary	1,004	1,004
9-Mar-2021	The Vanguard Group, Inc.	BUY	121.77	Ordinary	906	906
9-Mar-2021	The Vanguard Group, Inc.	BUY	121.77	Ordinary	3,290	3,290
9-Mar-2021	The Vanguard Group, Inc.	BUY	121.21	Ordinary	386	386
9-Mar-2021	The Vanguard Group, Inc.	BUY	122.56	Ordinary	3,387	3,387
9-Mar-2021	The Vanguard Group, Inc.	BUY	121.21	Ordinary	281	281
10-Mar-2021	The Vanguard Group, Inc.	BUY	115.26	Ordinary	755	755
10-Mar-2021	The Vanguard Group, Inc.	BUY	114.49	Ordinary	483	483
10-Mar-2021	The Vanguard Group, Inc.	BUY	118.78	Ordinary	2,645	2,645
11-Mar-2021	The Vanguard Group, Inc.	BUY	116.48	Ordinary	1,757	1,757
11-Mar-2021	The Vanguard Group, Inc.	BUY	116.48	Ordinary	1,963	1,963
11-Mar-2021	The Vanguard Group, Inc.	BUY	115.70	Ordinary	152	152
12-Mar-2021	The Vanguard Group, Inc.	BUY	116.65	Ordinary	3,671	3,671
12-Mar-2021	The Vanguard Group, Inc.	BUY	116.65	Ordinary	422	422
15-Mar-2021	The Vanguard Group, Inc.	BUY	114.13	Ordinary	223	223
16-Mar-2021	The Vanguard Group, Inc.	BUY	114.19	Ordinary	9,982	9,982
16-Mar-2021	The Vanguard Group, Inc.	BUY	112.45	Ordinary	434	434
16-Mar-2021	The Vanguard Group, Inc.	BUY	112.86	Ordinary	161	161
16-Mar-2021	The Vanguard Group, Inc.	BUY	112.86	Ordinary	579	579
17-Mar-2021	The Vanguard Group, Inc.	BUY	111.98	Ordinary	1,057	1,057
17-Mar-2021	The Vanguard Group, Inc.	SELL	111.79	Ordinary	(709)	(709)
17-Mar-2021	The Vanguard Group, Inc.	SELL	111.79	Ordinary	(3,997)	(3,997)
17-Mar-2021	The Vanguard Group, Inc.	SELL	111.79	Ordinary	(47)	(47)
18-Mar-2021	The Vanguard Group, Inc.	SELL	110.80	Ordinary	(585)	(585)
18-Mar-2021	The Vanguard Group, Inc.	BUY	110.80	Ordinary	388	388
19-Mar-2021	The Vanguard Group, Inc.	SELL	109.15	Ordinary	(10,306)	(10,306)
19-Mar-2021	The Vanguard Group, Inc.	SELL	109.15	Ordinary	(12,010)	(12,010)
19-Mar-2021	The Vanguard Group, Inc.	SELL	109.15	Ordinary	(83,133)	(83,133)
19-Mar-2021	The Vanguard Group, Inc.	SELL	109.15	Ordinary	(20,142)	(20,142)
19-Mar-2021	The Vanguard Group, Inc.	SELL	109.15	Ordinary	(5,417)	(5,417)
19-Mar-2021	The Vanguard Group, Inc.	SELL	109.15	Ordinary	(842)	(842)
19-Mar-2021	The Vanguard Group, Inc.	BUY	109.06	Ordinary	370	370
19-Mar-2021	The Vanguard Group, Inc.	SELL	109.15	Ordinary	(1,234)	(1,234)
19-Mar-2021	The Vanguard Group, Inc.	BUY	109.06	Ordinary	1,125	1,125
19-Mar-2021	The Vanguard Group, Inc.	SELL	109.15	Ordinary	(630)	(630)
19-Mar-2021	The Vanguard Group, Inc.	SELL	109.15	Ordinary	(244)	(244)
19-Mar-2021	The Vanguard Group, Inc.	SELL	109.15	Ordinary	(275)	(275)
19-Mar-2021	The Vanguard Group, Inc.	SELL	109.15	Ordinary	(332)	(332)
22-Mar-2021	The Vanguard Group, Inc.	BUY	107.65	Ordinary	502	502
22-Mar-2021	The Vanguard Group, Inc.	BUY	107.81	Ordinary	164	164
22-Mar-2021	The Vanguard Group, Inc.	BUY	107.81	Ordinary	326	326
23-Mar-2021	The Vanguard Group, Inc.	BUY	108.50	Ordinary	5,773	5,773
23-Mar-2021	The Vanguard Group, Inc.	BUY	107.76	Ordinary	184	184
25-Mar-2021	The Vanguard Group, Inc.	BUY	110.04	Ordinary	5,060	5,060
26-Mar-2021	The Vanguard Group, Inc.	BUY	110.33	Ordinary	160	160
26-Mar-2021	The Vanguard Group, Inc.	BUY	110.33	Ordinary	329	329
29-Mar-2021	The Vanguard Group, Inc.	BUY	113.02	Ordinary	1,112	1,112
29-Mar-2021	The Vanguard Group, Inc.	BUY	112.26	Ordinary	904	904

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30-Mar-2021	The Vanguard Group, Inc.	BUY	111.04	Ordinary	8,516	8,516
30-Mar-2021	The Vanguard Group, Inc.	BUY	111.04	Ordinary	7,828	7,828
30-Mar-2021	The Vanguard Group, Inc.	BUY	109.60	Ordinary	554	554
30-Mar-2021	The Vanguard Group, Inc.	BUY	109.60	Ordinary	184	184
31-Mar-2021	The Vanguard Group, Inc.	BUY	111.42	Ordinary	6,785	6,785
31-Mar-2021	The Vanguard Group, Inc.	BUY	111.27	Ordinary	3,990	3,990
31-Mar-2021	The Vanguard Group, Inc.	BUY	110.75	Ordinary	282	282
31-Mar-2021	The Vanguard Group, Inc.	SELL	110.75	Ordinary	(11,767)	(11,767)
1-Apr-2021	The Vanguard Group, Inc.	BUY	112.19	Ordinary	7,238	7,238
5-Apr-2021	The Vanguard Group, Inc.	BUY	113.88	Ordinary	621	621
6-Apr-2021	The Vanguard Group, Inc.	BUY	112.36	Ordinary	2,500	2,500
6-Apr-2021	The Vanguard Group, Inc.	BUY	114.14	Ordinary	3,674	3,674
6-Apr-2021	The Vanguard Group, Inc.	BUY	112.36	Ordinary	2,793	2,793
6-Apr-2021	The Vanguard Group, Inc.	BUY	112.12	Ordinary	238	238
7-Apr-2021	The Vanguard Group, Inc.	BUY	112.84	Ordinary	41,039	41,039
7-Apr-2021	The Vanguard Group, Inc.	BUY	112.84	Ordinary	9,174	9,174
7-Apr-2021	The Vanguard Group, Inc.	BUY	113.44	Ordinary	160	160
7-Apr-2021	The Vanguard Group, Inc.	BUY	113.44	Ordinary	159	159
7-Apr-2021	The Vanguard Group, Inc.	BUY	113.44	Ordinary	182	182
8-Apr-2021	The Vanguard Group, Inc.	BUY	115.13	Ordinary	4,497	4,497
8-Apr-2021	The Vanguard Group, Inc.	SELL	115.88	Ordinary	(28)	(28)
8-Apr-2021	The Vanguard Group, Inc.	BUY	115.13	Ordinary	315	315
9-Apr-2021	The Vanguard Group, Inc.	BUY	115.71	Ordinary	3,192	3,192
9-Apr-2021	The Vanguard Group, Inc.	BUY	115.71	Ordinary	888	888
9-Apr-2021	The Vanguard Group, Inc.	BUY	115.50	Ordinary	2,091	2,091
9-Apr-2021	The Vanguard Group, Inc.	BUY	115.50	Ordinary	233	233
12-Apr-2021	The Vanguard Group, Inc.	BUY	114.88	Ordinary	357	357
13-Apr-2021	The Vanguard Group, Inc.	BUY	115.37	Ordinary	2,757	2,757
13-Apr-2021	The Vanguard Group, Inc.	BUY	114.05	Ordinary	2,394	2,394
13-Apr-2021	The Vanguard Group, Inc.	BUY	113.53	Ordinary	160	160
13-Apr-2021	The Vanguard Group, Inc.	BUY	113.53	Ordinary	1,680	1,680
13-Apr-2021	The Vanguard Group, Inc.	BUY	113.53	Ordinary	183	183
14-Apr-2021	The Vanguard Group, Inc.	BUY	113.72	Ordinary	1,750	1,750
14-Apr-2021	The Vanguard Group, Inc.	BUY	113.72	Ordinary	2,394	2,394
14-Apr-2021	The Vanguard Group, Inc.	BUY	113.72	Ordinary	414	414
14-Apr-2021	The Vanguard Group, Inc.	SELL	114.33	Ordinary	(152)	(152)
15-Apr-2021	The Vanguard Group, Inc.	BUY	118.13	Ordinary	278	278
15-Apr-2021	The Vanguard Group, Inc.	BUY	118.13	Ordinary	1,292	1,292
15-Apr-2021	The Vanguard Group, Inc.	BUY	115.60	Ordinary	8,453	8,453
15-Apr-2021	The Vanguard Group, Inc.	BUY	118.13	Ordinary	621	621
15-Apr-2021	The Vanguard Group, Inc.	BUY	115.60	Ordinary	834	834
15-Apr-2021	The Vanguard Group, Inc.	BUY	115.60	Ordinary	549	549
16-Apr-2021	The Vanguard Group, Inc.	BUY	118.88	Ordinary	38,364	38,364
16-Apr-2021	The Vanguard Group, Inc.	BUY	118.88	Ordinary	493	493
16-Apr-2021	The Vanguard Group, Inc.	BUY	118.88	Ordinary	337	337
16-Apr-2021	The Vanguard Group, Inc.	BUY	118.88	Ordinary	13,524	13,524
16-Apr-2021	The Vanguard Group, Inc.	BUY	118.88	Ordinary	470	470
19-Apr-2021	The Vanguard Group, Inc.	BUY	120.58	Ordinary	1,112	1,112
19-Apr-2021	The Vanguard Group, Inc.	BUY	119.86	Ordinary	4,932	4,932
19-Apr-2021	The Vanguard Group, Inc.	BUY	120.58	Ordinary	4,010	4,010
19-Apr-2021	The Vanguard Group, Inc.	BUY	120.85	Ordinary	160	160
19-Apr-2021	The Vanguard Group, Inc.	SELL	120.85	Ordinary	(211)	(211)
20-Apr-2021	The Vanguard Group, Inc.	BUY	121.03	Ordinary	1,981	1,981
20-Apr-2021	The Vanguard Group, Inc.	BUY	118.69	Ordinary	414	414
20-Apr-2021	The Vanguard Group, Inc.	BUY	120.20	Ordinary	732	732
20-Apr-2021	The Vanguard Group, Inc.	BUY	120.20	Ordinary	384	384
21-Apr-2021	The Vanguard Group, Inc.	BUY	120.09	Ordinary	237	237
21-Apr-2021	The Vanguard Group, Inc.	SELL	118.98	Ordinary	(57)	(57)
21-Apr-2021	The Vanguard Group, Inc.	BUY	118.91	Ordinary	17,575	17,575
21-Apr-2021	The Vanguard Group, Inc.	BUY	120.97	Ordinary	414	414
21-Apr-2021	The Vanguard Group, Inc.	BUY	120.09	Ordinary	151	151
21-Apr-2021	The Vanguard Group, Inc.	BUY	120.09	Ordinary	3,565	3,565
22-Apr-2021	The Vanguard Group, Inc.	BUY	119.98	Ordinary	556	556
22-Apr-2021	The Vanguard Group, Inc.	BUY	120.53	Ordinary	49	49
22-Apr-2021	The Vanguard Group, Inc.	BUY	120.34	Ordinary	748	748
23-Apr-2021	The Vanguard Group, Inc.	BUY	121.15	Ordinary	9,343	9,343
23-Apr-2021	The Vanguard Group, Inc.	BUY	121.53	Ordinary	414	414
23-Apr-2021	The Vanguard Group, Inc.	BUY	121.15	Ordinary	2,157	2,157

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
26-Apr-2021	The Vanguard Group, Inc.	BUY	122.83	Ordinary	1,292	1,292
26-Apr-2021	The Vanguard Group, Inc.	SELL	121.50	Ordinary	(1,005)	(1,005)
26-Apr-2021	The Vanguard Group, Inc.	BUY	121.71	Ordinary	7,821	7,821
26-Apr-2021	The Vanguard Group, Inc.	BUY	122.51	Ordinary	94	94
27-Apr-2021	The Vanguard Group, Inc.	BUY	123.76	Ordinary	888	888
27-Apr-2021	The Vanguard Group, Inc.	BUY	123.25	Ordinary	4,274	4,274
27-Apr-2021	The Vanguard Group, Inc.	SELL	123.64	Ordinary	(495)	(495)
28-Apr-2021	The Vanguard Group, Inc.	BUY	122.57	Ordinary	1,000	1,000
28-Apr-2021	The Vanguard Group, Inc.	BUY	122.57	Ordinary	740	740
28-Apr-2021	The Vanguard Group, Inc.	BUY	122.14	Ordinary	278	278
28-Apr-2021	The Vanguard Group, Inc.	SELL	122.14	Ordinary	(98)	(98)
29-Apr-2021	The Vanguard Group, Inc.	BUY	123.04	Ordinary	1,110	1,110
29-Apr-2021	The Vanguard Group, Inc.	BUY	123.22	Ordinary	316	316
29-Apr-2021	The Vanguard Group, Inc.	SELL	122.48	Ordinary	(90)	(90)
29-Apr-2021	The Vanguard Group, Inc.	SELL	122.48	Ordinary	(401)	(401)
3-May-2021	The Vanguard Group, Inc.	BUY	120.09	Ordinary	1,068	1,068
4-May-2021	The Vanguard Group, Inc.	BUY	122.54	Ordinary	888	888
4-May-2021	The Vanguard Group, Inc.	BUY	122.54	Ordinary	1,258	1,258
4-May-2021	The Vanguard Group, Inc.	BUY	121.68	Ordinary	3,206	3,206
5-May-2021	The Vanguard Group, Inc.	BUY	122.95	Ordinary	3,483	3,483
6-May-2021	The Vanguard Group, Inc.	BUY	126.00	Ordinary	8,571	8,571
6-May-2021	The Vanguard Group, Inc.	SELL	126.00	Ordinary	(31)	(31)
6-May-2021	The Vanguard Group, Inc.	BUY	126.28	Ordinary	621	621
6-May-2021	The Vanguard Group, Inc.	BUY	125.76	Ordinary	149	149
6-May-2021	The Vanguard Group, Inc.	BUY	125.76	Ordinary	320	320
6-May-2021	The Vanguard Group, Inc.	BUY	125.76	Ordinary	352	352
7-May-2021	The Vanguard Group, Inc.	BUY	127.64	Ordinary	750	750
7-May-2021	The Vanguard Group, Inc.	BUY	127.64	Ordinary	3,250	3,250
7-May-2021	The Vanguard Group, Inc.	BUY	125.76	Ordinary	2,230	2,230
7-May-2021	The Vanguard Group, Inc.	BUY	127.64	Ordinary	1,292	1,292
7-May-2021	The Vanguard Group, Inc.	BUY	127.64	Ordinary	2,590	2,590
7-May-2021	The Vanguard Group, Inc.	BUY	127.64	Ordinary	414	414
7-May-2021	The Vanguard Group, Inc.	SELL	127.11	Ordinary	(620)	(620)
10-May-2021	The Vanguard Group, Inc.	BUY	131.82	Ordinary	2,835	2,835
11-May-2021	The Vanguard Group, Inc.	BUY	131.02	Ordinary	2,007	2,007
11-May-2021	The Vanguard Group, Inc.	BUY	129.90	Ordinary	414	414
11-May-2021	The Vanguard Group, Inc.	BUY	130.61	Ordinary	394	394
12-May-2021	The Vanguard Group, Inc.	BUY	129.17	Ordinary	556	556
13-May-2021	The Vanguard Group, Inc.	SELL	128.99	Ordinary	(3,553)	(3,553)
13-May-2021	The Vanguard Group, Inc.	BUY	128.00	Ordinary	316	316
14-May-2021	The Vanguard Group, Inc.	BUY	125.43	Ordinary	2,030	2,030
14-May-2021	The Vanguard Group, Inc.	BUY	125.43	Ordinary	5,404	5,404
17-May-2021	The Vanguard Group, Inc.	BUY	126.16	Ordinary	1,000	1,000
17-May-2021	The Vanguard Group, Inc.	BUY	125.83	Ordinary	4,502	4,502
17-May-2021	The Vanguard Group, Inc.	BUY	126.04	Ordinary	143	143
17-May-2021	The Vanguard Group, Inc.	SELL	125.78	Ordinary	(3,835)	(3,835)
17-May-2021	The Vanguard Group, Inc.	BUY	126.04	Ordinary	392	392
18-May-2021	The Vanguard Group, Inc.	BUY	127.40	Ordinary	750	750
18-May-2021	The Vanguard Group, Inc.	BUY	127.40	Ordinary	417	417
18-May-2021	The Vanguard Group, Inc.	BUY	127.40	Ordinary	624	624
18-May-2021	The Vanguard Group, Inc.	BUY	128.71	Ordinary	148	148
18-May-2021	The Vanguard Group, Inc.	BUY	128.71	Ordinary	2,963	2,963
19-May-2021	The Vanguard Group, Inc.	BUY	123.70	Ordinary	6,480	6,480
19-May-2021	The Vanguard Group, Inc.	BUY	123.70	Ordinary	2,430	2,430
20-May-2021	The Vanguard Group, Inc.	BUY	123.97	Ordinary	1,036	1,036
20-May-2021	The Vanguard Group, Inc.	BUY	123.97	Ordinary	416	416
20-May-2021	The Vanguard Group, Inc.	BUY	123.26	Ordinary	434	434
20-May-2021	The Vanguard Group, Inc.	BUY	123.26	Ordinary	183	183
24-May-2021	The Vanguard Group, Inc.	BUY	119.90	Ordinary	1,932	1,932
24-May-2021	The Vanguard Group, Inc.	SELL	121.12	Ordinary	(51)	(51)
24-May-2021	The Vanguard Group, Inc.	BUY	119.50	Ordinary	144	144
24-May-2021	The Vanguard Group, Inc.	BUY	119.50	Ordinary	280	280
25-May-2021	The Vanguard Group, Inc.	BUY	120.00	Ordinary	3,398	3,398
25-May-2021	The Vanguard Group, Inc.	BUY	121.45	Ordinary	96	96
26-May-2021	The Vanguard Group, Inc.	BUY	118.57	Ordinary	1,000	1,000
27-May-2021	The Vanguard Group, Inc.	BUY	119.87	Ordinary	330	330
27-May-2021	The Vanguard Group, Inc.	SELL	119.95	Ordinary	(4,619)	(4,619)
1-Jun-2021	The Vanguard Group, Inc.	BUY	124.91	Ordinary	418	418

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1-Jun-2021	The Vanguard Group, Inc.	BUY	124.60	Ordinary	701	701
1-Jun-2021	The Vanguard Group, Inc.	BUY	124.60	Ordinary	183	183
2-Jun-2021	The Vanguard Group, Inc.	SELL	127.25	Ordinary	(1,510)	(1,510)
2-Jun-2021	The Vanguard Group, Inc.	BUY	127.85	Ordinary	3,489	3,489
2-Jun-2021	The Vanguard Group, Inc.	BUY	126.95	Ordinary	7,246	7,246
2-Jun-2021	The Vanguard Group, Inc.	BUY	127.85	Ordinary	724	724
2-Jun-2021	The Vanguard Group, Inc.	BUY	127.85	Ordinary	634	634
2-Jun-2021	The Vanguard Group, Inc.	BUY	126.95	Ordinary	455	455
2-Jun-2021	The Vanguard Group, Inc.	BUY	126.95	Ordinary	95	95
2-Jun-2021	The Vanguard Group, Inc.	BUY	127.85	Ordinary	4,399	4,399
3-Jun-2021	The Vanguard Group, Inc.	BUY	126.76	Ordinary	2,835	2,835
8-Jun-2021	The Vanguard Group, Inc.	BUY	124.16	Ordinary	469	469
8-Jun-2021	The Vanguard Group, Inc.	BUY	124.16	Ordinary	183	183
8-Jun-2021	The Vanguard Group, Inc.	BUY	124.16	Ordinary	327	327
9-Jun-2021	The Vanguard Group, Inc.	BUY	124.62	Ordinary	418	418
11-Jun-2021	The Vanguard Group, Inc.	BUY	125.38	Ordinary	648	648
15-Jun-2021	The Vanguard Group, Inc.	BUY	126.48	Ordinary	177	177
15-Jun-2021	The Vanguard Group, Inc.	SELL	126.54	Ordinary	(3,811)	(3,811)
15-Jun-2021	The Vanguard Group, Inc.	BUY	126.48	Ordinary	396	396
16-Jun-2021	The Vanguard Group, Inc.	BUY	125.48	Ordinary	1,620	1,620
16-Jun-2021	The Vanguard Group, Inc.	BUY	125.48	Ordinary	418	418
17-Jun-2021	The Vanguard Group, Inc.	BUY	124.41	Ordinary	268	268
17-Jun-2021	The Vanguard Group, Inc.	BUY	124.41	Ordinary	4,050	4,050
18-Jun-2021	The Vanguard Group, Inc.	SELL	123.47	Ordinary	(4,994)	(4,994)
18-Jun-2021	The Vanguard Group, Inc.	SELL	123.47	Ordinary	(3,441)	(3,441)
18-Jun-2021	The Vanguard Group, Inc.	SELL	123.47	Ordinary	(10,255)	(10,255)
18-Jun-2021	The Vanguard Group, Inc.	SELL	123.47	Ordinary	(82,996)	(82,996)
18-Jun-2021	The Vanguard Group, Inc.	SELL	123.47	Ordinary	(8,881)	(8,881)
18-Jun-2021	The Vanguard Group, Inc.	SELL	123.47	Ordinary	(248)	(248)
18-Jun-2021	The Vanguard Group, Inc.	SELL	123.47	Ordinary	(333)	(333)
18-Jun-2021	The Vanguard Group, Inc.	SELL	123.47	Ordinary	(57)	(57)
18-Jun-2021	The Vanguard Group, Inc.	SELL	123.47	Ordinary	(300)	(300)
18-Jun-2021	The Vanguard Group, Inc.	SELL	123.47	Ordinary	(3,083)	(3,083)
22-Jun-2021	The Vanguard Group, Inc.	BUY	122.38	Ordinary	396	396
22-Jun-2021	The Vanguard Group, Inc.	BUY	122.38	Ordinary	1,056	1,056
22-Jun-2021	The Vanguard Group, Inc.	BUY	122.38	Ordinary	2,382	2,382
22-Jun-2021	The Vanguard Group, Inc.	BUY	121.99	Ordinary	558	558
22-Jun-2021	The Vanguard Group, Inc.	BUY	121.99	Ordinary	183	183
23-Jun-2021	The Vanguard Group, Inc.	BUY	122.64	Ordinary	396	396
23-Jun-2021	The Vanguard Group, Inc.	BUY	122.85	Ordinary	677	677
24-Jun-2021	The Vanguard Group, Inc.	BUY	125.27	Ordinary	3,176	3,176
24-Jun-2021	The Vanguard Group, Inc.	BUY	123.93	Ordinary	24,998	24,998
24-Jun-2021	The Vanguard Group, Inc.	BUY	124.36	Ordinary	510	510
25-Jun-2021	The Vanguard Group, Inc.	BUY	125.37	Ordinary	37,973	37,973
29-Jun-2021	The Vanguard Group, Inc.	BUY	124.83	Ordinary	3,464	3,464
29-Jun-2021	The Vanguard Group, Inc.	BUY	124.83	Ordinary	10,036	10,036
29-Jun-2021	The Vanguard Group, Inc.	SELL	124.65	Ordinary	(907)	(907)
29-Jun-2021	The Vanguard Group, Inc.	BUY	124.83	Ordinary	487	487
29-Jun-2021	The Vanguard Group, Inc.	BUY	125.00	Ordinary	140	140
30-Jun-2021	The Vanguard Group, Inc.	BUY	126.42	Ordinary	2,000	2,000
30-Jun-2021	The Vanguard Group, Inc.	BUY	126.42	Ordinary	962	962
30-Jun-2021	The Vanguard Group, Inc.	BUY	126.00	Ordinary	4,931	4,931
1-Jul-2021	The Vanguard Group, Inc.	BUY	126.36	Ordinary	3,600	3,600
1-Jul-2021	The Vanguard Group, Inc.	BUY	126.99	Ordinary	9,018	9,018
1-Jul-2021	The Vanguard Group, Inc.	BUY	126.99	Ordinary	3,892	3,892
2-Jul-2021	The Vanguard Group, Inc.	BUY	126.31	Ordinary	740	740
2-Jul-2021	The Vanguard Group, Inc.	BUY	126.00	Ordinary	3,276	3,276
2-Jul-2021	The Vanguard Group, Inc.	BUY	125.71	Ordinary	326	326
2-Jul-2021	The Vanguard Group, Inc.	BUY	125.71	Ordinary	411	411
2-Jul-2021	The Vanguard Group, Inc.	BUY	125.71	Ordinary	182	182
2-Jul-2021	The Vanguard Group, Inc.	BUY	125.71	Ordinary	5,200	5,200
5-Jul-2021	The Vanguard Group, Inc.	BUY	126.13	Ordinary	698	698
5-Jul-2021	The Vanguard Group, Inc.	BUY	126.13	Ordinary	10,663	10,663
6-Jul-2021	The Vanguard Group, Inc.	BUY	124.81	Ordinary	2,400	2,400
6-Jul-2021	The Vanguard Group, Inc.	BUY	125.41	Ordinary	2,430	2,430
6-Jul-2021	The Vanguard Group, Inc.	SELL	125.42	Ordinary	(21,945)	(21,945)
7-Jul-2021	The Vanguard Group, Inc.	BUY	124.23	Ordinary	4,995	4,995
7-Jul-2021	The Vanguard Group, Inc.	BUY	124.23	Ordinary	3,448	3,448

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7-Jul-2021	The Vanguard Group, Inc.	BUY	124.23	Ordinary	5,297	5,297
7-Jul-2021	The Vanguard Group, Inc.	BUY	126.04	Ordinary	320	320
7-Jul-2021	The Vanguard Group, Inc.	BUY	126.04	Ordinary	87	87
8-Jul-2021	The Vanguard Group, Inc.	BUY	125.22	Ordinary	740	740
8-Jul-2021	The Vanguard Group, Inc.	BUY	127.69	Ordinary	6,539	6,539
8-Jul-2021	The Vanguard Group, Inc.	BUY	127.69	Ordinary	3,630	3,630
8-Jul-2021	The Vanguard Group, Inc.	BUY	126.22	Ordinary	112	112
9-Jul-2021	The Vanguard Group, Inc.	BUY	127.36	Ordinary	2,241	2,241
9-Jul-2021	The Vanguard Group, Inc.	BUY	127.36	Ordinary	5,985	5,985
9-Jul-2021	The Vanguard Group, Inc.	BUY	127.36	Ordinary	3,200	3,200
9-Jul-2021	The Vanguard Group, Inc.	BUY	127.36	Ordinary	1,850	1,850
9-Jul-2021	The Vanguard Group, Inc.	BUY	127.36	Ordinary	2,590	2,590
9-Jul-2021	The Vanguard Group, Inc.	BUY	127.36	Ordinary	1,184	1,184
9-Jul-2021	The Vanguard Group, Inc.	BUY	125.36	Ordinary	7,438	7,438
9-Jul-2021	The Vanguard Group, Inc.	BUY	125.36	Ordinary	4,347	4,347
9-Jul-2021	The Vanguard Group, Inc.	BUY	125.40	Ordinary	3,439	3,439
12-Jul-2021	The Vanguard Group, Inc.	BUY	128.02	Ordinary	931	931
12-Jul-2021	The Vanguard Group, Inc.	BUY	128.43	Ordinary	8,402	8,402
12-Jul-2021	The Vanguard Group, Inc.	BUY	127.60	Ordinary	181	181
13-Jul-2021	The Vanguard Group, Inc.	BUY	128.33	Ordinary	5,200	5,200
13-Jul-2021	The Vanguard Group, Inc.	BUY	129.26	Ordinary	4,263	4,263
14-Jul-2021	The Vanguard Group, Inc.	BUY	128.28	Ordinary	5,934	5,934
14-Jul-2021	The Vanguard Group, Inc.	BUY	128.18	Ordinary	624	624
14-Jul-2021	The Vanguard Group, Inc.	BUY	128.18	Ordinary	624	624
14-Jul-2021	The Vanguard Group, Inc.	BUY	128.18	Ordinary	1,872	1,872
14-Jul-2021	The Vanguard Group, Inc.	BUY	128.28	Ordinary	157	157
14-Jul-2021	The Vanguard Group, Inc.	BUY	128.28	Ordinary	314	314
15-Jul-2021	The Vanguard Group, Inc.	BUY	131.14	Ordinary	829	829
15-Jul-2021	The Vanguard Group, Inc.	BUY	131.14	Ordinary	4,585	4,585
15-Jul-2021	The Vanguard Group, Inc.	SELL	131.14	Ordinary	(1,778)	(1,778)
16-Jul-2021	The Vanguard Group, Inc.	BUY	131.00	Ordinary	5,227	5,227
19-Jul-2021	The Vanguard Group, Inc.	BUY	127.83	Ordinary	158	158
19-Jul-2021	The Vanguard Group, Inc.	BUY	127.83	Ordinary	205	205
20-Jul-2021	The Vanguard Group, Inc.	BUY	124.42	Ordinary	158	158
21-Jul-2021	The Vanguard Group, Inc.	BUY	127.78	Ordinary	996	996
21-Jul-2021	The Vanguard Group, Inc.	BUY	127.78	Ordinary	4,788	4,788
21-Jul-2021	The Vanguard Group, Inc.	BUY	127.78	Ordinary	1,110	1,110
21-Jul-2021	The Vanguard Group, Inc.	BUY	126.04	Ordinary	10,004	10,004
21-Jul-2021	The Vanguard Group, Inc.	BUY	125.87	Ordinary	157	157
22-Jul-2021	The Vanguard Group, Inc.	BUY	127.12	Ordinary	798	798
22-Jul-2021	The Vanguard Group, Inc.	SELL	127.12	Ordinary	(1,655)	(1,655)
22-Jul-2021	The Vanguard Group, Inc.	SELL	127.41	Ordinary	(1,650)	(1,650)
23-Jul-2021	The Vanguard Group, Inc.	BUY	127.10	Ordinary	449	449
26-Jul-2021	The Vanguard Group, Inc.	BUY	130.88	Ordinary	6,783	6,783
26-Jul-2021	The Vanguard Group, Inc.	BUY	128.63	Ordinary	3,838	3,838
26-Jul-2021	The Vanguard Group, Inc.	BUY	130.11	Ordinary	266	266
27-Jul-2021	The Vanguard Group, Inc.	BUY	132.33	Ordinary	532	532
27-Jul-2021	The Vanguard Group, Inc.	BUY	132.10	Ordinary	4,437	4,437
27-Jul-2021	The Vanguard Group, Inc.	BUY	132.47	Ordinary	521	521
28-Jul-2021	The Vanguard Group, Inc.	BUY	132.69	Ordinary	3,458	3,458
28-Jul-2021	The Vanguard Group, Inc.	BUY	132.69	Ordinary	740	740
28-Jul-2021	The Vanguard Group, Inc.	BUY	132.69	Ordinary	740	740
28-Jul-2021	The Vanguard Group, Inc.	BUY	132.22	Ordinary	2,097	2,097
29-Jul-2021	The Vanguard Group, Inc.	BUY	134.49	Ordinary	2,648	2,648
29-Jul-2021	The Vanguard Group, Inc.	BUY	135.91	Ordinary	5,179	5,179
29-Jul-2021	The Vanguard Group, Inc.	SELL	135.86	Ordinary	(127)	(127)
29-Jul-2021	The Vanguard Group, Inc.	BUY	135.91	Ordinary	4,671	4,671
29-Jul-2021	The Vanguard Group, Inc.	SELL	134.17	Ordinary	(1,444)	(1,444)
30-Jul-2021	The Vanguard Group, Inc.	BUY	133.56	Ordinary	1,110	1,110
30-Jul-2021	The Vanguard Group, Inc.	BUY	133.42	Ordinary	3,122	3,122
30-Jul-2021	The Vanguard Group, Inc.	BUY	133.42	Ordinary	699	699
30-Jul-2021	The Vanguard Group, Inc.	BUY	133.42	Ordinary	3,414	3,414
2-Aug-2021	The Vanguard Group, Inc.	BUY	132.75	Ordinary	1,655	1,655
2-Aug-2021	The Vanguard Group, Inc.	BUY	133.23	Ordinary	3,574	3,574
3-Aug-2021	The Vanguard Group, Inc.	BUY	133.57	Ordinary	5,363	5,363
3-Aug-2021	The Vanguard Group, Inc.	BUY	132.39	Ordinary	151	151
3-Aug-2021	The Vanguard Group, Inc.	BUY	132.39	Ordinary	3,108	3,108
4-Aug-2021	The Vanguard Group, Inc.	BUY	134.40	Ordinary	146	146

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4-Aug-2021	The Vanguard Group, Inc.	BUY	134.40	Ordinary	808	808
5-Aug-2021	The Vanguard Group, Inc.	BUY	134.80	Ordinary	3,680	3,680
5-Aug-2021	The Vanguard Group, Inc.	SELL	132.13	Ordinary	(882)	(882)
5-Aug-2021	The Vanguard Group, Inc.	BUY	132.13	Ordinary	400	400
6-Aug-2021	The Vanguard Group, Inc.	SELL	130.05	Ordinary	(1,398)	(1,398)
9-Aug-2021	The Vanguard Group, Inc.	BUY	128.26	Ordinary	1,050	1,050
10-Aug-2021	The Vanguard Group, Inc.	BUY	127.50	Ordinary	3,843	3,843
11-Aug-2021	The Vanguard Group, Inc.	BUY	129.66	Ordinary	747	747
11-Aug-2021	The Vanguard Group, Inc.	BUY	129.14	Ordinary	2,981	2,981
11-Aug-2021	The Vanguard Group, Inc.	BUY	129.14	Ordinary	5,962	5,962
11-Aug-2021	The Vanguard Group, Inc.	BUY	129.66	Ordinary	416	416
11-Aug-2021	The Vanguard Group, Inc.	BUY	129.14	Ordinary	604	604
11-Aug-2021	The Vanguard Group, Inc.	BUY	129.14	Ordinary	247	247
12-Aug-2021	The Vanguard Group, Inc.	BUY	121.60	Ordinary	534	534
12-Aug-2021	The Vanguard Group, Inc.	BUY	121.60	Ordinary	1,116	1,116
13-Aug-2021	The Vanguard Group, Inc.	BUY	120.64	Ordinary	1,184	1,184
13-Aug-2021	The Vanguard Group, Inc.	BUY	120.64	Ordinary	1,850	1,850
13-Aug-2021	The Vanguard Group, Inc.	BUY	120.64	Ordinary	888	888
13-Aug-2021	The Vanguard Group, Inc.	BUY	120.64	Ordinary	1,332	1,332
16-Aug-2021	The Vanguard Group, Inc.	BUY	118.58	Ordinary	1,592	1,592
16-Aug-2021	The Vanguard Group, Inc.	BUY	118.58	Ordinary	3,980	3,980
17-Aug-2021	The Vanguard Group, Inc.	BUY	115.38	Ordinary	2,080	2,080
17-Aug-2021	The Vanguard Group, Inc.	BUY	116.37	Ordinary	3,405	3,405
18-Aug-2021	The Vanguard Group, Inc.	BUY	112.67	Ordinary	2,442	2,442
18-Aug-2021	The Vanguard Group, Inc.	BUY	115.19	Ordinary	3,843	3,843
18-Aug-2021	The Vanguard Group, Inc.	SELL	113.69	Ordinary	(180)	(180)
18-Aug-2021	The Vanguard Group, Inc.	BUY	113.69	Ordinary	2,580	2,580
18-Aug-2021	The Vanguard Group, Inc.	BUY	113.69	Ordinary	243	243
19-Aug-2021	The Vanguard Group, Inc.	BUY	107.17	Ordinary	3,300	3,300
19-Aug-2021	The Vanguard Group, Inc.	BUY	107.17	Ordinary	312	312
19-Aug-2021	The Vanguard Group, Inc.	SELL	107.17	Ordinary	(850)	(850)
20-Aug-2021	The Vanguard Group, Inc.	BUY	107.74	Ordinary	1,990	1,990
20-Aug-2021	The Vanguard Group, Inc.	BUY	107.23	Ordinary	3,799	3,799
20-Aug-2021	The Vanguard Group, Inc.	BUY	107.23	Ordinary	243	243
23-Aug-2021	The Vanguard Group, Inc.	BUY	107.43	Ordinary	747	747
23-Aug-2021	The Vanguard Group, Inc.	BUY	107.43	Ordinary	1,592	1,592
23-Aug-2021	The Vanguard Group, Inc.	BUY	107.43	Ordinary	2,388	2,388
23-Aug-2021	The Vanguard Group, Inc.	BUY	107.43	Ordinary	1,320	1,320
23-Aug-2021	The Vanguard Group, Inc.	BUY	107.43	Ordinary	1,980	1,980
23-Aug-2021	The Vanguard Group, Inc.	BUY	107.43	Ordinary	1,110	1,110
23-Aug-2021	The Vanguard Group, Inc.	BUY	107.43	Ordinary	1,110	1,110
23-Aug-2021	The Vanguard Group, Inc.	BUY	107.90	Ordinary	11,012	11,012
23-Aug-2021	The Vanguard Group, Inc.	BUY	106.69	Ordinary	5,744	5,744
24-Aug-2021	The Vanguard Group, Inc.	BUY	108.00	Ordinary	7,455	7,455
24-Aug-2021	The Vanguard Group, Inc.	BUY	108.10	Ordinary	491	491
25-Aug-2021	The Vanguard Group, Inc.	BUY	110.93	Ordinary	888	888
25-Aug-2021	The Vanguard Group, Inc.	BUY	111.56	Ordinary	8,716	8,716
25-Aug-2021	The Vanguard Group, Inc.	SELL	111.56	Ordinary	(91)	(91)
26-Aug-2021	The Vanguard Group, Inc.	BUY	111.59	Ordinary	5,139	5,139
26-Aug-2021	The Vanguard Group, Inc.	BUY	111.59	Ordinary	2,546	2,546
27-Aug-2021	The Vanguard Group, Inc.	BUY	110.71	Ordinary	747	747
27-Aug-2021	The Vanguard Group, Inc.	BUY	110.71	Ordinary	1,245	1,245
27-Aug-2021	The Vanguard Group, Inc.	BUY	110.71	Ordinary	1,592	1,592
27-Aug-2021	The Vanguard Group, Inc.	BUY	109.75	Ordinary	5,597	5,597
27-Aug-2021	The Vanguard Group, Inc.	BUY	110.71	Ordinary	1,110	1,110
27-Aug-2021	The Vanguard Group, Inc.	BUY	109.75	Ordinary	3,855	3,855
27-Aug-2021	The Vanguard Group, Inc.	BUY	109.70	Ordinary	398	398
30-Aug-2021	The Vanguard Group, Inc.	BUY	112.34	Ordinary	5,690	5,690
30-Aug-2021	The Vanguard Group, Inc.	BUY	112.34	Ordinary	2,524	2,524
31-Aug-2021	The Vanguard Group, Inc.	SELL	112.08	Ordinary	(137)	(137)
31-Aug-2021	The Vanguard Group, Inc.	BUY	112.06	Ordinary	3,474	3,474
31-Aug-2021	The Vanguard Group, Inc.	SELL	112.08	Ordinary	(8,897)	(8,897)
1-Sep-2021	The Vanguard Group, Inc.	BUY	110.40	Ordinary	4,855	4,855
1-Sep-2021	The Vanguard Group, Inc.	BUY	110.40	Ordinary	4,588	4,588
1-Sep-2021	The Vanguard Group, Inc.	BUY	109.39	Ordinary	3,357	3,357
2-Sep-2021	The Vanguard Group, Inc.	BUY	109.46	Ordinary	3,980	3,980
2-Sep-2021	The Vanguard Group, Inc.	BUY	108.65	Ordinary	2,234	2,234
3-Sep-2021	The Vanguard Group, Inc.	BUY	111.33	Ordinary	520	520

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3-Sep-2021	The Vanguard Group, Inc.	BUY	111.33	Ordinary	624	624
3-Sep-2021	The Vanguard Group, Inc.	BUY	111.37	Ordinary	372	372
3-Sep-2021	The Vanguard Group, Inc.	SELL	109.22	Ordinary	(7,965)	(7,965)
3-Sep-2021	The Vanguard Group, Inc.	BUY	111.37	Ordinary	275	275
7-Sep-2021	The Vanguard Group, Inc.	BUY	108.70	Ordinary	179	179
7-Sep-2021	The Vanguard Group, Inc.	BUY	108.70	Ordinary	3,239	3,239
8-Sep-2021	The Vanguard Group, Inc.	BUY	108.17	Ordinary	3,358	3,358
10-Sep-2021	The Vanguard Group, Inc.	BUY	106.22	Ordinary	181	181
10-Sep-2021	The Vanguard Group, Inc.	BUY	106.22	Ordinary	3,650	3,650
13-Sep-2021	The Vanguard Group, Inc.	SELL	106.02	Ordinary	(2,112)	(2,112)
14-Sep-2021	The Vanguard Group, Inc.	BUY	105.95	Ordinary	624	624
17-Sep-2021	The Vanguard Group, Inc.	SELL	98.84	Ordinary	(2,379)	(2,379)
17-Sep-2021	The Vanguard Group, Inc.	SELL	98.84	Ordinary	(13,012)	(13,012)
17-Sep-2021	The Vanguard Group, Inc.	SELL	98.84	Ordinary	(16,947)	(16,947)
17-Sep-2021	The Vanguard Group, Inc.	SELL	98.84	Ordinary	(47,419)	(47,419)
17-Sep-2021	The Vanguard Group, Inc.	SELL	98.84	Ordinary	(10,508)	(10,508)
17-Sep-2021	The Vanguard Group, Inc.	SELL	98.84	Ordinary	(1,557)	(1,557)
17-Sep-2021	The Vanguard Group, Inc.	SELL	98.84	Ordinary	(1,836)	(1,836)
17-Sep-2021	The Vanguard Group, Inc.	BUY	98.80	Ordinary	491	491
17-Sep-2021	The Vanguard Group, Inc.	SELL	98.80	Ordinary	(3,491)	(3,491)
17-Sep-2021	The Vanguard Group, Inc.	BUY	98.80	Ordinary	84	84
20-Sep-2021	The Vanguard Group, Inc.	BUY	94.07	Ordinary	2,080	2,080
21-Sep-2021	The Vanguard Group, Inc.	BUY	95.31	Ordinary	416	416
21-Sep-2021	The Vanguard Group, Inc.	BUY	95.71	Ordinary	330	330
23-Sep-2021	The Vanguard Group, Inc.	BUY	99.50	Ordinary	2,322	2,322
23-Sep-2021	The Vanguard Group, Inc.	BUY	99.50	Ordinary	416	416
23-Sep-2021	The Vanguard Group, Inc.	BUY	98.86	Ordinary	171	171
24-Sep-2021	The Vanguard Group, Inc.	BUY	99.33	Ordinary	10,107	10,107
24-Sep-2021	The Vanguard Group, Inc.	BUY	99.33	Ordinary	350	350
24-Sep-2021	The Vanguard Group, Inc.	BUY	99.33	Ordinary	7,078	7,078
24-Sep-2021	The Vanguard Group, Inc.	SELL	99.00	Ordinary	(68)	(68)
24-Sep-2021	The Vanguard Group, Inc.	BUY	99.33	Ordinary	101	101
28-Sep-2021	The Vanguard Group, Inc.	BUY	95.72	Ordinary	568	568
28-Sep-2021	The Vanguard Group, Inc.	BUY	97.47	Ordinary	8,540	8,540
28-Sep-2021	The Vanguard Group, Inc.	BUY	95.72	Ordinary	416	416
28-Sep-2021	The Vanguard Group, Inc.	BUY	97.47	Ordinary	1,306	1,306
29-Sep-2021	The Vanguard Group, Inc.	BUY	96.58	Ordinary	750	750
29-Sep-2021	The Vanguard Group, Inc.	BUY	96.45	Ordinary	5,468	5,468
29-Sep-2021	The Vanguard Group, Inc.	BUY	96.89	Ordinary	384	384
30-Sep-2021	The Vanguard Group, Inc.	BUY	98.47	Ordinary	6,256	6,256
30-Sep-2021	The Vanguard Group, Inc.	BUY	98.52	Ordinary	10,815	10,815
30-Sep-2021	The Vanguard Group, Inc.	BUY	100.18	Ordinary	16,329	16,329
30-Sep-2021	The Vanguard Group, Inc.	BUY	100.18	Ordinary	8,115	8,115
1-Oct-2021	The Vanguard Group, Inc.	BUY	98.07	Ordinary	627	627
1-Oct-2021	The Vanguard Group, Inc.	BUY	97.28	Ordinary	7,239	7,239
4-Oct-2021	The Vanguard Group, Inc.	BUY	98.30	Ordinary	3,809	3,809
4-Oct-2021	The Vanguard Group, Inc.	BUY	97.50	Ordinary	352	352
4-Oct-2021	The Vanguard Group, Inc.	BUY	97.50	Ordinary	6,157	6,157
5-Oct-2021	The Vanguard Group, Inc.	BUY	97.48	Ordinary	11,905	11,905
5-Oct-2021	The Vanguard Group, Inc.	BUY	97.93	Ordinary	416	416
5-Oct-2021	The Vanguard Group, Inc.	BUY	97.13	Ordinary	163	163
5-Oct-2021	The Vanguard Group, Inc.	SELL	97.13	Ordinary	(12,349)	(12,349)
5-Oct-2021	The Vanguard Group, Inc.	BUY	97.13	Ordinary	388	388
6-Oct-2021	The Vanguard Group, Inc.	BUY	96.79	Ordinary	9,114	9,114
6-Oct-2021	The Vanguard Group, Inc.	SELL	97.30	Ordinary	(36)	(36)
6-Oct-2021	The Vanguard Group, Inc.	BUY	96.55	Ordinary	180	180
7-Oct-2021	The Vanguard Group, Inc.	BUY	97.01	Ordinary	6,867	6,867
7-Oct-2021	The Vanguard Group, Inc.	SELL	96.54	Ordinary	(2,804)	(2,804)
7-Oct-2021	The Vanguard Group, Inc.	SELL	97.30	Ordinary	(492)	(492)
8-Oct-2021	The Vanguard Group, Inc.	BUY	100.42	Ordinary	1,064	1,064
8-Oct-2021	The Vanguard Group, Inc.	BUY	100.42	Ordinary	2,346	2,346
8-Oct-2021	The Vanguard Group, Inc.	BUY	98.90	Ordinary	6,692	6,692
11-Oct-2021	The Vanguard Group, Inc.	BUY	102.11	Ordinary	836	836
11-Oct-2021	The Vanguard Group, Inc.	BUY	102.26	Ordinary	160	160
12-Oct-2021	The Vanguard Group, Inc.	BUY	102.83	Ordinary	456	456
12-Oct-2021	The Vanguard Group, Inc.	BUY	102.99	Ordinary	3,270	3,270
12-Oct-2021	The Vanguard Group, Inc.	BUY	102.99	Ordinary	27	27
13-Oct-2021	The Vanguard Group, Inc.	BUY	100.38	Ordinary	836	836

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13-Oct-2021	The Vanguard Group, Inc.	BUY	100.38	Ordinary	1,564	1,564
13-Oct-2021	The Vanguard Group, Inc.	BUY	100.38	Ordinary	3,128	3,128
13-Oct-2021	The Vanguard Group, Inc.	BUY	100.38	Ordinary	1,050	1,050
13-Oct-2021	The Vanguard Group, Inc.	BUY	100.38	Ordinary	416	416
14-Oct-2021	The Vanguard Group, Inc.	BUY	100.51	Ordinary	491	491
15-Oct-2021	The Vanguard Group, Inc.	BUY	100.08	Ordinary	627	627
15-Oct-2021	The Vanguard Group, Inc.	SELL	100.40	Ordinary	(59)	(59)
19-Oct-2021	The Vanguard Group, Inc.	BUY	98.80	Ordinary	1,050	1,050
19-Oct-2021	The Vanguard Group, Inc.	BUY	98.80	Ordinary	624	624
19-Oct-2021	The Vanguard Group, Inc.	BUY	98.80	Ordinary	208	208
19-Oct-2021	The Vanguard Group, Inc.	BUY	98.15	Ordinary	178	178
20-Oct-2021	The Vanguard Group, Inc.	BUY	99.99	Ordinary	1,743	1,743
20-Oct-2021	The Vanguard Group, Inc.	BUY	98.28	Ordinary	416	416
20-Oct-2021	The Vanguard Group, Inc.	BUY	98.08	Ordinary	476	476
20-Oct-2021	The Vanguard Group, Inc.	BUY	98.08	Ordinary	374	374
21-Oct-2021	The Vanguard Group, Inc.	BUY	97.05	Ordinary	3,700	3,700
21-Oct-2021	The Vanguard Group, Inc.	BUY	96.47	Ordinary	1,664	1,664
22-Oct-2021	The Vanguard Group, Inc.	BUY	95.03	Ordinary	534	534
22-Oct-2021	The Vanguard Group, Inc.	SELL	95.03	Ordinary	(1,507)	(1,507)
25-Oct-2021	The Vanguard Group, Inc.	BUY	96.88	Ordinary	2,346	2,346
25-Oct-2021	The Vanguard Group, Inc.	BUY	96.44	Ordinary	164	164
26-Oct-2021	The Vanguard Group, Inc.	BUY	96.41	Ordinary	2,810	2,810
27-Oct-2021	The Vanguard Group, Inc.	BUY	93.54	Ordinary	770	770
27-Oct-2021	The Vanguard Group, Inc.	BUY	93.54	Ordinary	1,400	1,400
27-Oct-2021	The Vanguard Group, Inc.	SELL	95.30	Ordinary	(94)	(94)
28-Oct-2021	The Vanguard Group, Inc.	BUY	93.19	Ordinary	630	630
28-Oct-2021	The Vanguard Group, Inc.	BUY	92.76	Ordinary	179	179
29-Oct-2021	The Vanguard Group, Inc.	SELL	91.08	Ordinary	(1,695)	(1,695)
29-Oct-2021	The Vanguard Group, Inc.	BUY	90.29	Ordinary	178	178
29-Oct-2021	The Vanguard Group, Inc.	BUY	90.29	Ordinary	651	651
1-Nov-2021	The Vanguard Group, Inc.	BUY	90.30	Ordinary	7,480	7,480
1-Nov-2021	The Vanguard Group, Inc.	BUY	91.33	Ordinary	2,346	2,346
1-Nov-2021	The Vanguard Group, Inc.	BUY	91.33	Ordinary	1,564	1,564
1-Nov-2021	The Vanguard Group, Inc.	BUY	91.33	Ordinary	1,050	1,050
2-Nov-2021	The Vanguard Group, Inc.	BUY	90.80	Ordinary	4,424	4,424
3-Nov-2021	The Vanguard Group, Inc.	BUY	90.27	Ordinary	760	760
3-Nov-2021	The Vanguard Group, Inc.	BUY	90.27	Ordinary	1,955	1,955
4-Nov-2021	The Vanguard Group, Inc.	SELL	89.50	Ordinary	(77)	(77)
5-Nov-2021	The Vanguard Group, Inc.	BUY	88.32	Ordinary	7,725	7,725
5-Nov-2021	The Vanguard Group, Inc.	BUY	89.10	Ordinary	1,120	1,120
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	81.08	Ordinary	4,078	4,078
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	81.08	Ordinary	4,736	4,736
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	81.08	Ordinary	(4,048)	(4,048)
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	81.08	Ordinary	13,106	13,106
13-Mar-2020	Vanguard Investments Australia Ltd.	SELL	81.08	Ordinary	(146)	(146)
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	81.08	Ordinary	10,290	10,290
13-Mar-2020	Vanguard Investments Australia Ltd.	BUY	81.08	Ordinary	22,514	22,514
16-Mar-2020	Vanguard Investments Australia Ltd.	BUY	77.65	Ordinary	12,005	12,005
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	83.00	Ordinary	442	442
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	83.00	Ordinary	2,516	2,516
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	83.00	Ordinary	4,736	4,736
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	83.00	Ordinary	3,552	3,552
17-Mar-2020	Vanguard Investments Australia Ltd.	SELL	83.00	Ordinary	(5,685)	(5,685)
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	79.86	Ordinary	1,472	1,472
17-Mar-2020	Vanguard Investments Australia Ltd.	BUY	83.00	Ordinary	8,550	8,550
18-Mar-2020	Vanguard Investments Australia Ltd.	SELL	79.91	Ordinary	(6,087)	(6,087)
18-Mar-2020	Vanguard Investments Australia Ltd.	SELL	79.91	Ordinary	(966)	(966)
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	79.91	Ordinary	10,260	10,260
18-Mar-2020	Vanguard Investments Australia Ltd.	BUY	79.91	Ordinary	14,959	14,959
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	79.96	Ordinary	178	178
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.52	Ordinary	1,776	1,776
19-Mar-2020	Vanguard Investments Australia Ltd.	SELL	80.52	Ordinary	(1,334)	(1,334)
19-Mar-2020	Vanguard Investments Australia Ltd.	BUY	80.52	Ordinary	7,866	7,866
20-Mar-2020	Vanguard Investments Australia Ltd.	SELL	82.00	Ordinary	(4,198)	(4,198)
20-Mar-2020	Vanguard Investments Australia Ltd.	SELL	82.00	Ordinary	(1,291)	(1,291)
20-Mar-2020	Vanguard Investments Australia Ltd.	SELL	82.00	Ordinary	(907)	(907)
20-Mar-2020	Vanguard Investments Australia Ltd.	BUY	82.00	Ordinary	10,571	10,571
23-Mar-2020	Vanguard Investments Australia Ltd.	BUY	78.71	Ordinary	683	683

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23-Mar-2020	Vanguard Investments Australia Ltd.	BUY	78.71	Ordinary	4,788	4,788
26-Mar-2020	Vanguard Investments Australia Ltd.	BUY	88.13	Ordinary	62	62
26-Mar-2020	Vanguard Investments Australia Ltd.	BUY	88.13	Ordinary	5,115	5,115
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	85.93	Ordinary	8,612	8,612
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	85.93	Ordinary	1,126	1,126
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	85.93	Ordinary	1,419	1,419
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	85.93	Ordinary	13,970	13,970
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	85.93	Ordinary	5,023	5,023
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	85.93	Ordinary	1,349	1,349
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	85.93	Ordinary	930	930
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	85.93	Ordinary	1,519	1,519
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	85.93	Ordinary	9,168	9,168
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	85.78	Ordinary	8,525	8,525
27-Mar-2020	Vanguard Investments Australia Ltd.	BUY	85.93	Ordinary	18,316	18,316
27-Mar-2020	Vanguard Investments Australia Ltd.	SELL	85.78	Ordinary	(9,207)	(9,207)
30-Mar-2020	Vanguard Investments Australia Ltd.	BUY	87.54	Ordinary	51,828	51,828
31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	84.57	Ordinary	884	884
31-Mar-2020	Vanguard Investments Australia Ltd.	SELL	84.57	Ordinary	(322)	(322)
31-Mar-2020	Vanguard Investments Australia Ltd.	SELL	84.57	Ordinary	(13,401)	(13,401)
31-Mar-2020	Vanguard Investments Australia Ltd.	SELL	84.57	Ordinary	(35,082)	(35,082)
31-Mar-2020	Vanguard Investments Australia Ltd.	BUY	84.57	Ordinary	6,820	6,820
1-Apr-2020	Vanguard Investments Australia Ltd.	BUY	88.40	Ordinary	2,809	2,809
1-Apr-2020	Vanguard Investments Australia Ltd.	BUY	88.40	Ordinary	4,394	4,394
2-Apr-2020	Vanguard Investments Australia Ltd.	SELL	87.40	Ordinary	(136)	(136)
2-Apr-2020	Vanguard Investments Australia Ltd.	BUY	87.40	Ordinary	2,328	2,328
2-Apr-2020	Vanguard Investments Australia Ltd.	SELL	87.40	Ordinary	(738)	(738)
2-Apr-2020	Vanguard Investments Australia Ltd.	BUY	87.40	Ordinary	5,040	5,040
3-Apr-2020	Vanguard Investments Australia Ltd.	SELL	88.93	Ordinary	(1,828)	(1,828)
3-Apr-2020	Vanguard Investments Australia Ltd.	SELL	88.93	Ordinary	(3,205)	(3,205)
3-Apr-2020	Vanguard Investments Australia Ltd.	BUY	88.93	Ordinary	2,792	2,792
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	90.65	Ordinary	2,328	2,328
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	90.65	Ordinary	1,168	1,168
7-Apr-2020	Vanguard Investments Australia Ltd.	BUY	90.65	Ordinary	11,795	11,795
8-Apr-2020	Vanguard Investments Australia Ltd.	BUY	89.26	Ordinary	3,845	3,845
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	89.39	Ordinary	870	870
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	89.39	Ordinary	2,328	2,328
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	89.02	Ordinary	4,095	4,095
9-Apr-2020	Vanguard Investments Australia Ltd.	SELL	89.39	Ordinary	(21,472)	(21,472)
9-Apr-2020	Vanguard Investments Australia Ltd.	BUY	89.39	Ordinary	11,424	11,424
14-Apr-2020	Vanguard Investments Australia Ltd.	SELL	90.83	Ordinary	(18,872)	(18,872)
15-Apr-2020	Vanguard Investments Australia Ltd.	BUY	89.78	Ordinary	6,720	6,720
20-Apr-2020	Vanguard Investments Australia Ltd.	SELL	88.92	Ordinary	(100)	(100)
20-Apr-2020	Vanguard Investments Australia Ltd.	BUY	88.92	Ordinary	1,743	1,743
20-Apr-2020	Vanguard Investments Australia Ltd.	BUY	88.92	Ordinary	2,324	2,324
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	87.76	Ordinary	1,406	1,406
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	87.06	Ordinary	5,695	5,695
21-Apr-2020	Vanguard Investments Australia Ltd.	BUY	87.06	Ordinary	6,700	6,700
22-Apr-2020	Vanguard Investments Australia Ltd.	BUY	85.14	Ordinary	2,320	2,320
22-Apr-2020	Vanguard Investments Australia Ltd.	SELL	85.15	Ordinary	(40,306)	(40,306)
23-Apr-2020	Vanguard Investments Australia Ltd.	BUY	86.00	Ordinary	2,696	2,696
23-Apr-2020	Vanguard Investments Australia Ltd.	BUY	86.00	Ordinary	2,320	2,320
23-Apr-2020	Vanguard Investments Australia Ltd.	SELL	86.00	Ordinary	(42,871)	(42,871)
23-Apr-2020	Vanguard Investments Australia Ltd.	BUY	86.00	Ordinary	5,025	5,025
24-Apr-2020	Vanguard Investments Australia Ltd.	SELL	87.27	Ordinary	(2,326)	(2,326)
28-Apr-2020	Vanguard Investments Australia Ltd.	SELL	85.76	Ordinary	(102)	(102)
28-Apr-2020	Vanguard Investments Australia Ltd.	BUY	85.76	Ordinary	2,320	2,320
28-Apr-2020	Vanguard Investments Australia Ltd.	SELL	85.76	Ordinary	(805)	(805)
28-Apr-2020	Vanguard Investments Australia Ltd.	SELL	85.76	Ordinary	(762)	(762)
28-Apr-2020	Vanguard Investments Australia Ltd.	BUY	85.76	Ordinary	6,030	6,030
29-Apr-2020	Vanguard Investments Australia Ltd.	SELL	85.51	Ordinary	(220)	(220)
30-Apr-2020	Vanguard Investments Australia Ltd.	SELL	87.51	Ordinary	(4,852)	(4,852)
30-Apr-2020	Vanguard Investments Australia Ltd.	SELL	87.51	Ordinary	(2,356)	(2,356)
1-May-2020	Vanguard Investments Australia Ltd.	SELL	82.59	Ordinary	(208)	(208)
1-May-2020	Vanguard Investments Australia Ltd.	SELL	82.59	Ordinary	(462)	(462)
1-May-2020	Vanguard Investments Australia Ltd.	SELL	82.59	Ordinary	(3,593)	(3,593)
1-May-2020	Vanguard Investments Australia Ltd.	BUY	82.59	Ordinary	5,010	5,010
1-May-2020	Vanguard Investments Australia Ltd.	BUY	82.59	Ordinary	6,680	6,680
4-May-2020	Vanguard Investments Australia Ltd.	BUY	81.30	Ordinary	2,316	2,316

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
4-May-2020	Vanguard Investments Australia Ltd.	BUY	81.30	Ordinary	9,352	9,352
5-May-2020	Vanguard Investments Australia Ltd.	SELL	82.75	Ordinary	(613)	(613)
5-May-2020	Vanguard Investments Australia Ltd.	SELL	82.75	Ordinary	(404)	(404)
5-May-2020	Vanguard Investments Australia Ltd.	SELL	82.75	Ordinary	(1,939)	(1,939)
5-May-2020	Vanguard Investments Australia Ltd.	SELL	82.75	Ordinary	(535)	(535)
6-May-2020	Vanguard Investments Australia Ltd.	BUY	81.99	Ordinary	2,316	2,316
8-May-2020	Vanguard Investments Australia Ltd.	BUY	83.00	Ordinary	331	331
12-May-2020	Vanguard Investments Australia Ltd.	BUY	82.60	Ordinary	431	431
12-May-2020	Vanguard Investments Australia Ltd.	BUY	82.60	Ordinary	2,316	2,316
12-May-2020	Vanguard Investments Australia Ltd.	BUY	82.60	Ordinary	4,620	4,620
13-May-2020	Vanguard Investments Australia Ltd.	BUY	83.72	Ordinary	4,950	4,950
14-May-2020	Vanguard Investments Australia Ltd.	BUY	83.80	Ordinary	1,539	1,539
14-May-2020	Vanguard Investments Australia Ltd.	BUY	83.80	Ordinary	4,224	4,224
14-May-2020	Vanguard Investments Australia Ltd.	BUY	83.80	Ordinary	1,554	1,554
15-May-2020	Vanguard Investments Australia Ltd.	BUY	85.36	Ordinary	862	862
19-May-2020	Vanguard Investments Australia Ltd.	BUY	94.52	Ordinary	6,600	6,600
20-May-2020	Vanguard Investments Australia Ltd.	BUY	94.16	Ordinary	5,280	5,280
22-May-2020	Vanguard Investments Australia Ltd.	BUY	91.33	Ordinary	8,685	8,685
22-May-2020	Vanguard Investments Australia Ltd.	BUY	91.33	Ordinary	3,960	3,960
25-May-2020	Vanguard Investments Australia Ltd.	BUY	92.51	Ordinary	775	775
25-May-2020	Vanguard Investments Australia Ltd.	BUY	92.51	Ordinary	2,316	2,316
25-May-2020	Vanguard Investments Australia Ltd.	BUY	92.51	Ordinary	1,288	1,288
25-May-2020	Vanguard Investments Australia Ltd.	BUY	92.51	Ordinary	3,300	3,300
26-May-2020	Vanguard Investments Australia Ltd.	SELL	93.80	Ordinary	(2,876)	(2,876)
26-May-2020	Vanguard Investments Australia Ltd.	BUY	93.80	Ordinary	41,935	41,935
26-May-2020	Vanguard Investments Australia Ltd.	BUY	93.80	Ordinary	4,950	4,950
27-May-2020	Vanguard Investments Australia Ltd.	SELL	91.52	Ordinary	(1,100)	(1,100)
27-May-2020	Vanguard Investments Australia Ltd.	BUY	91.52	Ordinary	40,835	40,835
28-May-2020	Vanguard Investments Australia Ltd.	BUY	93.63	Ordinary	862	862
28-May-2020	Vanguard Investments Australia Ltd.	SELL	93.63	Ordinary	(58)	(58)
28-May-2020	Vanguard Investments Australia Ltd.	SELL	93.63	Ordinary	(297)	(297)
28-May-2020	Vanguard Investments Australia Ltd.	SELL	93.63	Ordinary	(12,623)	(12,623)
29-May-2020	Vanguard Investments Australia Ltd.	BUY	93.68	Ordinary	1,972	1,972
29-May-2020	Vanguard Investments Australia Ltd.	SELL	93.40	Ordinary	(4,532)	(4,532)
29-May-2020	Vanguard Investments Australia Ltd.	SELL	93.40	Ordinary	(991)	(991)
29-May-2020	Vanguard Investments Australia Ltd.	BUY	93.40	Ordinary	4,950	4,950
2-Jun-2020	Vanguard Investments Australia Ltd.	SELL	96.97	Ordinary	(1,324)	(1,324)
2-Jun-2020	Vanguard Investments Australia Ltd.	SELL	96.97	Ordinary	(2,944)	(2,944)
2-Jun-2020	Vanguard Investments Australia Ltd.	SELL	96.97	Ordinary	(741)	(741)
3-Jun-2020	Vanguard Investments Australia Ltd.	BUY	97.42	Ordinary	2,316	2,316
4-Jun-2020	Vanguard Investments Australia Ltd.	SELL	98.40	Ordinary	(13,780)	(13,780)
5-Jun-2020	Vanguard Investments Australia Ltd.	BUY	98.60	Ordinary	4,950	4,950
5-Jun-2020	Vanguard Investments Australia Ltd.	BUY	98.60	Ordinary	3,960	3,960
5-Jun-2020	Vanguard Investments Australia Ltd.	SELL	98.60	Ordinary	(6,271)	(6,271)
9-Jun-2020	Vanguard Investments Australia Ltd.	BUY	101.37	Ordinary	2,316	2,316
9-Jun-2020	Vanguard Investments Australia Ltd.	BUY	101.69	Ordinary	1,344	1,344
10-Jun-2020	Vanguard Investments Australia Ltd.	SELL	100.48	Ordinary	(1,318)	(1,318)
10-Jun-2020	Vanguard Investments Australia Ltd.	SELL	100.48	Ordinary	(8,442)	(8,442)
11-Jun-2020	Vanguard Investments Australia Ltd.	BUY	98.86	Ordinary	908	908
11-Jun-2020	Vanguard Investments Australia Ltd.	SELL	98.86	Ordinary	(562)	(562)
11-Jun-2020	Vanguard Investments Australia Ltd.	BUY	98.86	Ordinary	4,950	4,950
15-Jun-2020	Vanguard Investments Australia Ltd.	BUY	96.87	Ordinary	6,620	6,620
16-Jun-2020	Vanguard Investments Australia Ltd.	BUY	99.56	Ordinary	3,310	3,310
17-Jun-2020	Vanguard Investments Australia Ltd.	BUY	98.87	Ordinary	4,965	4,965
19-Jun-2020	Vanguard Investments Australia Ltd.	SELL	96.19	Ordinary	(40,306)	(40,306)
19-Jun-2020	Vanguard Investments Australia Ltd.	SELL	96.09	Ordinary	(258)	(258)
19-Jun-2020	Vanguard Investments Australia Ltd.	SELL	96.22	Ordinary	(3,951)	(3,951)
19-Jun-2020	Vanguard Investments Australia Ltd.	SELL	96.22	Ordinary	(4,823)	(4,823)
19-Jun-2020	Vanguard Investments Australia Ltd.	SELL	96.22	Ordinary	(895)	(895)
19-Jun-2020	Vanguard Investments Australia Ltd.	SELL	96.22	Ordinary	(1,397)	(1,397)
19-Jun-2020	Vanguard Investments Australia Ltd.	SELL	96.22	Ordinary	(8,401)	(8,401)
19-Jun-2020	Vanguard Investments Australia Ltd.	SELL	96.22	Ordinary	(64)	(64)
19-Jun-2020	Vanguard Investments Australia Ltd.	SELL	96.22	Ordinary	(4,421)	(4,421)
19-Jun-2020	Vanguard Investments Australia Ltd.	SELL	96.22	Ordinary	(782)	(782)
19-Jun-2020	Vanguard Investments Australia Ltd.	SELL	96.22	Ordinary	(1,135)	(1,135)
19-Jun-2020	Vanguard Investments Australia Ltd.	SELL	96.22	Ordinary	(16,236)	(16,236)
19-Jun-2020	Vanguard Investments Australia Ltd.	BUY	96.28	Ordinary	662	662
19-Jun-2020	Vanguard Investments Australia Ltd.	SELL	96.22	Ordinary	(10,323)	(10,323)

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22-Jun-2020	Vanguard Investments Australia Ltd.	SELL	97.09	Ordinary	(4,234)	(4,234)
23-Jun-2020	Vanguard Investments Australia Ltd.	SELL	98.05	Ordinary	(5,491)	(5,491)
24-Jun-2020	Vanguard Investments Australia Ltd.	SELL	98.68	Ordinary	(1,438)	(1,438)
24-Jun-2020	Vanguard Investments Australia Ltd.	BUY	98.68	Ordinary	843	843
25-Jun-2020	Vanguard Investments Australia Ltd.	BUY	97.06	Ordinary	4,472	4,472
25-Jun-2020	Vanguard Investments Australia Ltd.	SELL	97.06	Ordinary	(1,265)	(1,265)
25-Jun-2020	Vanguard Investments Australia Ltd.	BUY	97.06	Ordinary	7,452	7,452
26-Jun-2020	Vanguard Investments Australia Ltd.	SELL	98.99	Ordinary	(340)	(340)
26-Jun-2020	Vanguard Investments Australia Ltd.	SELL	98.99	Ordinary	(1,895)	(1,895)
26-Jun-2020	Vanguard Investments Australia Ltd.	SELL	98.99	Ordinary	(3,175)	(3,175)
29-Jun-2020	Vanguard Investments Australia Ltd.	BUY	97.27	Ordinary	505	505
30-Jun-2020	Vanguard Investments Australia Ltd.	SELL	98.17	Ordinary	(3,965)	(3,965)
1-Jul-2020	Vanguard Investments Australia Ltd.	SELL	96.67	Ordinary	(3,803)	(3,803)
3-Jul-2020	Vanguard Investments Australia Ltd.	SELL	96.39	Ordinary	(1,802)	(1,802)
6-Jul-2020	Vanguard Investments Australia Ltd.	SELL	95.45	Ordinary	(56)	(56)
7-Jul-2020	Vanguard Investments Australia Ltd.	SELL	96.29	Ordinary	(13,246)	(13,246)
8-Jul-2020	Vanguard Investments Australia Ltd.	SELL	95.54	Ordinary	(246,823)	(246,823)
9-Jul-2020	Vanguard Investments Australia Ltd.	SELL	98.67	Ordinary	(2,340)	(2,340)
10-Jul-2020	Vanguard Investments Australia Ltd.	BUY	97.99	Ordinary	453	453
10-Jul-2020	Vanguard Investments Australia Ltd.	SELL	97.99	Ordinary	(108)	(108)
13-Jul-2020	Vanguard Investments Australia Ltd.	BUY	99.84	Ordinary	906	906
14-Jul-2020	Vanguard Investments Australia Ltd.	SELL	101.25	Ordinary	(3,245)	(3,245)
16-Jul-2020	Vanguard Investments Australia Ltd.	SELL	103.51	Ordinary	(1,359)	(1,359)
16-Jul-2020	Vanguard Investments Australia Ltd.	SELL	103.51	Ordinary	(2,785)	(2,785)
16-Jul-2020	Vanguard Investments Australia Ltd.	BUY	104.45	Ordinary	1,110	1,110
16-Jul-2020	Vanguard Investments Australia Ltd.	BUY	104.45	Ordinary	6,447	6,447
16-Jul-2020	Vanguard Investments Australia Ltd.	BUY	104.45	Ordinary	1,233	1,233
16-Jul-2020	Vanguard Investments Australia Ltd.	SELL	103.51	Ordinary	(2,925)	(2,925)
21-Jul-2020	Vanguard Investments Australia Ltd.	SELL	106.09	Ordinary	(1,504)	(1,504)
24-Jul-2020	Vanguard Investments Australia Ltd.	SELL	102.92	Ordinary	(3,460)	(3,460)
24-Jul-2020	Vanguard Investments Australia Ltd.	BUY	102.92	Ordinary	5,972	5,972
28-Jul-2020	Vanguard Investments Australia Ltd.	BUY	104.11	Ordinary	2,155	2,155
30-Jul-2020	Vanguard Investments Australia Ltd.	BUY	104.50	Ordinary	4,225	4,225
31-Jul-2020	Vanguard Investments Australia Ltd.	BUY	102.00	Ordinary	5,440	5,440
31-Jul-2020	Vanguard Investments Australia Ltd.	BUY	102.00	Ordinary	7,509	7,509
3-Aug-2020	Vanguard Investments Australia Ltd.	BUY	103.00	Ordinary	3,137	3,137
4-Aug-2020	Vanguard Investments Australia Ltd.	SELL	105.10	Ordinary	(1,358)	(1,358)
4-Aug-2020	Vanguard Investments Australia Ltd.	SELL	105.10	Ordinary	(971)	(971)
5-Aug-2020	Vanguard Investments Australia Ltd.	SELL	103.99	Ordinary	(2,673)	(2,673)
5-Aug-2020	Vanguard Investments Australia Ltd.	BUY	103.99	Ordinary	4,875	4,875
7-Aug-2020	Vanguard Investments Australia Ltd.	BUY	102.45	Ordinary	6,500	6,500
12-Aug-2020	Vanguard Investments Australia Ltd.	SELL	101.40	Ordinary	(592)	(592)
17-Aug-2020	Vanguard Investments Australia Ltd.	SELL	100.88	Ordinary	(3,466)	(3,466)
18-Aug-2020	Vanguard Investments Australia Ltd.	BUY	103.60	Ordinary	1,543	1,543
18-Aug-2020	Vanguard Investments Australia Ltd.	BUY	103.60	Ordinary	12,052	12,052
18-Aug-2020	Vanguard Investments Australia Ltd.	BUY	103.60	Ordinary	1,608	1,608
25-Aug-2020	Vanguard Investments Australia Ltd.	BUY	100.90	Ordinary	4,860	4,860
31-Aug-2020	Vanguard Investments Australia Ltd.	SELL	98.02	Ordinary	(3,960)	(3,960)
31-Aug-2020	Vanguard Investments Australia Ltd.	SELL	98.02	Ordinary	(856)	(856)
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	97.48	Ordinary	2,248	2,248
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	97.54	Ordinary	1,155	1,155
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	97.54	Ordinary	6,933	6,933
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	97.54	Ordinary	1,151	1,151
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	97.48	Ordinary	182,198	182,198
1-Sep-2020	Vanguard Investments Australia Ltd.	BUY	97.48	Ordinary	5,168	5,168
4-Sep-2020	Vanguard Investments Australia Ltd.	SELL	95.58	Ordinary	(3,383)	(3,383)
7-Sep-2020	Vanguard Investments Australia Ltd.	BUY	97.88	Ordinary	2,150	2,150
7-Sep-2020	Vanguard Investments Australia Ltd.	BUY	97.88	Ordinary	12,902	12,902
7-Sep-2020	Vanguard Investments Australia Ltd.	BUY	97.88	Ordinary	2,142	2,142
7-Sep-2020	Vanguard Investments Australia Ltd.	BUY	97.94	Ordinary	4,225	4,225
8-Sep-2020	Vanguard Investments Australia Ltd.	BUY	99.29	Ordinary	916	916
9-Sep-2020	Vanguard Investments Australia Ltd.	SELL	99.08	Ordinary	(6,089)	(6,089)
9-Sep-2020	Vanguard Investments Australia Ltd.	BUY	99.08	Ordinary	5,850	5,850
15-Sep-2020	Vanguard Investments Australia Ltd.	BUY	102.13	Ordinary	2,252	2,252
16-Sep-2020	Vanguard Investments Australia Ltd.	BUY	102.78	Ordinary	1,635	1,635
17-Sep-2020	Vanguard Investments Australia Ltd.	BUY	99.31	Ordinary	2,252	2,252
18-Sep-2020	Vanguard Investments Australia Ltd.	SELL	100.76	Ordinary	(5,381)	(5,381)
18-Sep-2020	Vanguard Investments Australia Ltd.	SELL	100.76	Ordinary	(4,359)	(4,359)

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18-Sep-2020	Vanguard Investments Australia Ltd.	SELL	100.76	Ordinary	(2,381)	(2,381)
18-Sep-2020	Vanguard Investments Australia Ltd.	SELL	100.76	Ordinary	(1,288)	(1,288)
18-Sep-2020	Vanguard Investments Australia Ltd.	SELL	100.76	Ordinary	(9,902)	(9,902)
18-Sep-2020	Vanguard Investments Australia Ltd.	SELL	100.76	Ordinary	(60)	(60)
18-Sep-2020	Vanguard Investments Australia Ltd.	SELL	100.76	Ordinary	(6,244)	(6,244)
18-Sep-2020	Vanguard Investments Australia Ltd.	SELL	100.76	Ordinary	(1,520)	(1,520)
18-Sep-2020	Vanguard Investments Australia Ltd.	SELL	100.76	Ordinary	(1,706)	(1,706)
18-Sep-2020	Vanguard Investments Australia Ltd.	SELL	100.76	Ordinary	(17,004)	(17,004)
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	100.57	Ordinary	2,616	2,616
18-Sep-2020	Vanguard Investments Australia Ltd.	BUY	100.57	Ordinary	1,635	1,635
21-Sep-2020	Vanguard Investments Australia Ltd.	BUY	99.40	Ordinary	975	975
23-Sep-2020	Vanguard Investments Australia Ltd.	SELL	97.50	Ordinary	(2,276)	(2,276)
25-Sep-2020	Vanguard Investments Australia Ltd.	BUY	98.00	Ordinary	3,240	3,240
28-Sep-2020	Vanguard Investments Australia Ltd.	BUY	96.55	Ordinary	2,244	2,244
29-Sep-2020	Vanguard Investments Australia Ltd.	BUY	95.82	Ordinary	975	975
30-Sep-2020	Vanguard Investments Australia Ltd.	SELL	94.32	Ordinary	(8,850)	(8,850)
30-Sep-2020	Vanguard Investments Australia Ltd.	BUY	94.32	Ordinary	17,249	17,249
30-Sep-2020	Vanguard Investments Australia Ltd.	BUY	94.32	Ordinary	3,240	3,240
2-Oct-2020	Vanguard Investments Australia Ltd.	BUY	94.18	Ordinary	5,437	5,437
2-Oct-2020	Vanguard Investments Australia Ltd.	BUY	94.18	Ordinary	100	100
2-Oct-2020	Vanguard Investments Australia Ltd.	BUY	94.18	Ordinary	3,976	3,976
2-Oct-2020	Vanguard Investments Australia Ltd.	BUY	94.18	Ordinary	1,481	1,481
5-Oct-2020	Vanguard Investments Australia Ltd.	BUY	95.70	Ordinary	4,830	4,830
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	96.13	Ordinary	404	404
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	96.13	Ordinary	3,372	3,372
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	96.13	Ordinary	2,146	2,146
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	96.13	Ordinary	956	956
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	96.13	Ordinary	4,310	4,310
6-Oct-2020	Vanguard Investments Australia Ltd.	BUY	96.02	Ordinary	3,220	3,220
8-Oct-2020	Vanguard Investments Australia Ltd.	SELL	97.19	Ordinary	(7,497)	(7,497)
8-Oct-2020	Vanguard Investments Australia Ltd.	SELL	97.19	Ordinary	(42,558)	(42,558)
8-Oct-2020	Vanguard Investments Australia Ltd.	SELL	97.19	Ordinary	(7,688)	(7,688)
8-Oct-2020	Vanguard Investments Australia Ltd.	SELL	97.96	Ordinary	(3,208)	(3,208)
9-Oct-2020	Vanguard Investments Australia Ltd.	BUY	97.50	Ordinary	2,220	2,220
13-Oct-2020	Vanguard Investments Australia Ltd.	BUY	96.55	Ordinary	3,220	3,220
13-Oct-2020	Vanguard Investments Australia Ltd.	SELL	96.55	Ordinary	(3,180)	(3,180)
19-Oct-2020	Vanguard Investments Australia Ltd.	SELL	95.56	Ordinary	(427)	(427)
19-Oct-2020	Vanguard Investments Australia Ltd.	SELL	95.56	Ordinary	(21,956)	(21,956)
20-Oct-2020	Vanguard Investments Australia Ltd.	BUY	94.13	Ordinary	2,220	2,220
20-Oct-2020	Vanguard Investments Australia Ltd.	SELL	94.13	Ordinary	(10,813)	(10,813)
20-Oct-2020	Vanguard Investments Australia Ltd.	BUY	94.13	Ordinary	18,354	18,354
23-Oct-2020	Vanguard Investments Australia Ltd.	BUY	95.40	Ordinary	3,220	3,220
26-Oct-2020	Vanguard Investments Australia Ltd.	BUY	94.66	Ordinary	839	839
27-Oct-2020	Vanguard Investments Australia Ltd.	BUY	92.30	Ordinary	32,320	32,320
28-Oct-2020	Vanguard Investments Australia Ltd.	SELL	91.94	Ordinary	(8,378)	(8,378)
28-Oct-2020	Vanguard Investments Australia Ltd.	SELL	91.94	Ordinary	(4,487)	(4,487)
28-Oct-2020	Vanguard Investments Australia Ltd.	SELL	91.94	Ordinary	(1,770)	(1,770)
28-Oct-2020	Vanguard Investments Australia Ltd.	BUY	91.94	Ordinary	3,230	3,230
29-Oct-2020	Vanguard Investments Australia Ltd.	BUY	90.96	Ordinary	2,220	2,220
29-Oct-2020	Vanguard Investments Australia Ltd.	SELL	90.96	Ordinary	(3,790)	(3,790)
30-Oct-2020	Vanguard Investments Australia Ltd.	BUY	92.45	Ordinary	21,400	21,400
30-Oct-2020	Vanguard Investments Australia Ltd.	BUY	92.45	Ordinary	15,365	15,365
30-Oct-2020	Vanguard Investments Australia Ltd.	BUY	92.45	Ordinary	7,797	7,797
30-Oct-2020	Vanguard Investments Australia Ltd.	SELL	92.43	Ordinary	(1,033)	(1,033)
30-Oct-2020	Vanguard Investments Australia Ltd.	BUY	92.43	Ordinary	3,465	3,465
2-Nov-2020	Vanguard Investments Australia Ltd.	BUY	92.51	Ordinary	6,561	6,561
3-Nov-2020	Vanguard Investments Australia Ltd.	BUY	94.79	Ordinary	3,220	3,220
3-Nov-2020	Vanguard Investments Australia Ltd.	SELL	94.79	Ordinary	(936)	(936)
4-Nov-2020	Vanguard Investments Australia Ltd.	BUY	92.73	Ordinary	4,830	4,830
5-Nov-2020	Vanguard Investments Australia Ltd.	BUY	92.07	Ordinary	7,640	7,640
5-Nov-2020	Vanguard Investments Australia Ltd.	BUY	92.07	Ordinary	1,013	1,013
5-Nov-2020	Vanguard Investments Australia Ltd.	BUY	91.95	Ordinary	644	644
9-Nov-2020	Vanguard Investments Australia Ltd.	SELL	96.09	Ordinary	(2,088)	(2,088)
10-Nov-2020	Vanguard Investments Australia Ltd.	BUY	95.44	Ordinary	5,474	5,474
10-Nov-2020	Vanguard Investments Australia Ltd.	SELL	95.44	Ordinary	(2,637)	(2,637)
11-Nov-2020	Vanguard Investments Australia Ltd.	SELL	97.16	Ordinary	(7,463)	(7,463)
12-Nov-2020	Vanguard Investments Australia Ltd.	BUY	96.48	Ordinary	2,228	2,228
13-Nov-2020	Vanguard Investments Australia Ltd.	BUY	96.09	Ordinary	5,474	5,474

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
13-Nov-2020	Vanguard Investments Australia Ltd.	BUY	96.09	Ordinary	17,066	17,066
17-Nov-2020	Vanguard Investments Australia Ltd.	BUY	98.80	Ordinary	3,220	3,220
17-Nov-2020	Vanguard Investments Australia Ltd.	SELL	98.80	Ordinary	(6,757)	(6,757)
19-Nov-2020	Vanguard Investments Australia Ltd.	BUY	98.92	Ordinary	17,191	17,191
23-Nov-2020	Vanguard Investments Australia Ltd.	SELL	100.89	Ordinary	(3,763)	(3,763)
23-Nov-2020	Vanguard Investments Australia Ltd.	BUY	100.89	Ordinary	3,864	3,864
25-Nov-2020	Vanguard Investments Australia Ltd.	BUY	104.28	Ordinary	9,367	9,367
26-Nov-2020	Vanguard Investments Australia Ltd.	BUY	102.86	Ordinary	2,228	2,228
26-Nov-2020	Vanguard Investments Australia Ltd.	SELL	102.86	Ordinary	(4,048)	(4,048)
26-Nov-2020	Vanguard Investments Australia Ltd.	SELL	102.86	Ordinary	(12,951)	(12,951)
26-Nov-2020	Vanguard Investments Australia Ltd.	BUY	102.86	Ordinary	50,482	50,482
27-Nov-2020	Vanguard Investments Australia Ltd.	SELL	102.00	Ordinary	(1,578)	(1,578)
30-Nov-2020	Vanguard Investments Australia Ltd.	SELL	101.77	Ordinary	(948)	(948)
30-Nov-2020	Vanguard Investments Australia Ltd.	SELL	101.77	Ordinary	(5,940)	(5,940)
30-Nov-2020	Vanguard Investments Australia Ltd.	SELL	101.77	Ordinary	(5,860)	(5,860)
30-Nov-2020	Vanguard Investments Australia Ltd.	SELL	101.77	Ordinary	(3,401)	(3,401)
30-Nov-2020	Vanguard Investments Australia Ltd.	SELL	101.77	Ordinary	(2,009)	(2,009)
30-Nov-2020	Vanguard Investments Australia Ltd.	SELL	101.77	Ordinary	(3,378)	(3,378)
1-Dec-2020	Vanguard Investments Australia Ltd.	BUY	102.95	Ordinary	4,860	4,860
2-Dec-2020	Vanguard Investments Australia Ltd.	BUY	104.99	Ordinary	5,184	5,184
3-Dec-2020	Vanguard Investments Australia Ltd.	BUY	112.20	Ordinary	2,228	2,228
3-Dec-2020	Vanguard Investments Australia Ltd.	BUY	112.20	Ordinary	59,302	59,302
3-Dec-2020	Vanguard Investments Australia Ltd.	SELL	109.55	Ordinary	(655)	(655)
3-Dec-2020	Vanguard Investments Australia Ltd.	SELL	112.20	Ordinary	(95)	(95)
4-Dec-2020	Vanguard Investments Australia Ltd.	BUY	113.20	Ordinary	3,240	3,240
7-Dec-2020	Vanguard Investments Australia Ltd.	SELL	115.98	Ordinary	(891)	(891)
9-Dec-2020	Vanguard Investments Australia Ltd.	BUY	115.44	Ordinary	253	253
11-Dec-2020	Vanguard Investments Australia Ltd.	BUY	116.00	Ordinary	4,238	4,238
15-Dec-2020	Vanguard Investments Australia Ltd.	BUY	112.42	Ordinary	3,260	3,260
16-Dec-2020	Vanguard Investments Australia Ltd.	BUY	114.43	Ordinary	2,922	2,922
16-Dec-2020	Vanguard Investments Australia Ltd.	BUY	114.37	Ordinary	3,260	3,260
17-Dec-2020	Vanguard Investments Australia Ltd.	BUY	116.44	Ordinary	2,228	2,228
17-Dec-2020	Vanguard Investments Australia Ltd.	BUY	116.44	Ordinary	4,251	4,251
18-Dec-2020	Vanguard Investments Australia Ltd.	BUY	117.53	Ordinary	46,894	46,894
18-Dec-2020	Vanguard Investments Australia Ltd.	SELL	117.51	Ordinary	(1,562)	(1,562)
18-Dec-2020	Vanguard Investments Australia Ltd.	SELL	117.51	Ordinary	(51)	(51)
18-Dec-2020	Vanguard Investments Australia Ltd.	BUY	117.53	Ordinary	1,752	1,752
18-Dec-2020	Vanguard Investments Australia Ltd.	BUY	117.53	Ordinary	4,696	4,696
21-Dec-2020	Vanguard Investments Australia Ltd.	SELL	118.60	Ordinary	(1,070)	(1,070)
22-Dec-2020	Vanguard Investments Australia Ltd.	BUY	115.41	Ordinary	6,540	6,540
31-Dec-2020	Vanguard Investments Australia Ltd.	SELL	113.84	Ordinary	(104)	(104)
31-Dec-2020	Vanguard Investments Australia Ltd.	BUY	113.83	Ordinary	2,316	2,316
31-Dec-2020	Vanguard Investments Australia Ltd.	SELL	113.84	Ordinary	(8,563)	(8,563)
4-Jan-2021	Vanguard Investments Australia Ltd.	BUY	115.36	Ordinary	3,260	3,260
4-Jan-2021	Vanguard Investments Australia Ltd.	BUY	115.36	Ordinary	9,971	9,971
5-Jan-2021	Vanguard Investments Australia Ltd.	SELL	117.79	Ordinary	(1,108)	(1,108)
6-Jan-2021	Vanguard Investments Australia Ltd.	BUY	115.75	Ordinary	3,912	3,912
14-Jan-2021	Vanguard Investments Australia Ltd.	BUY	119.66	Ordinary	5,248	5,248
15-Jan-2021	Vanguard Investments Australia Ltd.	SELL	120.52	Ordinary	(177)	(177)
18-Jan-2021	Vanguard Investments Australia Ltd.	SELL	118.79	Ordinary	(2,216)	(2,216)
19-Jan-2021	Vanguard Investments Australia Ltd.	BUY	119.63	Ordinary	1,645	1,645
21-Jan-2021	Vanguard Investments Australia Ltd.	BUY	120.82	Ordinary	694	694
25-Jan-2021	Vanguard Investments Australia Ltd.	SELL	121.77	Ordinary	(838)	(838)
25-Jan-2021	Vanguard Investments Australia Ltd.	SELL	121.77	Ordinary	(1,587)	(1,587)
27-Jan-2021	Vanguard Investments Australia Ltd.	SELL	117.05	Ordinary	(1,066)	(1,066)
27-Jan-2021	Vanguard Investments Australia Ltd.	BUY	117.05	Ordinary	3,215	3,215
28-Jan-2021	Vanguard Investments Australia Ltd.	SELL	113.70	Ordinary	(2,198)	(2,198)
28-Jan-2021	Vanguard Investments Australia Ltd.	BUY	113.70	Ordinary	4,277	4,277
28-Jan-2021	Vanguard Investments Australia Ltd.	BUY	113.70	Ordinary	16,544	16,544
29-Jan-2021	Vanguard Investments Australia Ltd.	SELL	110.31	Ordinary	(5,546)	(5,546)
2-Feb-2021	Vanguard Investments Australia Ltd.	BUY	115.03	Ordinary	4,592	4,592
3-Feb-2021	Vanguard Investments Australia Ltd.	SELL	113.76	Ordinary	(46)	(46)
4-Feb-2021	Vanguard Investments Australia Ltd.	BUY	114.28	Ordinary	868	868
5-Feb-2021	Vanguard Investments Australia Ltd.	SELL	113.33	Ordinary	(683)	(683)
5-Feb-2021	Vanguard Investments Australia Ltd.	BUY	113.33	Ordinary	987	987
8-Feb-2021	Vanguard Investments Australia Ltd.	SELL	117.20	Ordinary	(2,300)	(2,300)
10-Feb-2021	Vanguard Investments Australia Ltd.	BUY	117.43	Ordinary	2,300	2,300
10-Feb-2021	Vanguard Investments Australia Ltd.	BUY	117.43	Ordinary	4,277	4,277

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11-Feb-2021	Vanguard Investments Australia Ltd.	BUY	118.72	Ordinary	2,303	2,303
12-Feb-2021	Vanguard Investments Australia Ltd.	BUY	117.35	Ordinary	6,086	6,086
15-Feb-2021	Vanguard Investments Australia Ltd.	SELL	119.50	Ordinary	(6,065)	(6,065)
16-Feb-2021	Vanguard Investments Australia Ltd.	BUY	123.05	Ordinary	576	576
16-Feb-2021	Vanguard Investments Australia Ltd.	SELL	123.05	Ordinary	(2,304)	(2,304)
16-Feb-2021	Vanguard Investments Australia Ltd.	BUY	123.05	Ordinary	44	44
16-Feb-2021	Vanguard Investments Australia Ltd.	SELL	123.05	Ordinary	(704)	(704)
18-Feb-2021	Vanguard Investments Australia Ltd.	SELL	127.50	Ordinary	(2,892)	(2,892)
18-Feb-2021	Vanguard Investments Australia Ltd.	SELL	127.50	Ordinary	(21)	(21)
19-Feb-2021	Vanguard Investments Australia Ltd.	BUY	123.26	Ordinary	8,771	8,771
22-Feb-2021	Vanguard Investments Australia Ltd.	SELL	127.74	Ordinary	(86,476)	(86,476)
22-Feb-2021	Vanguard Investments Australia Ltd.	BUY	127.74	Ordinary	3,310	3,310
23-Feb-2021	Vanguard Investments Australia Ltd.	BUY	130.00	Ordinary	2,308	2,308
26-Feb-2021	Vanguard Investments Australia Ltd.	SELL	127.19	Ordinary	(2,161)	(2,161)
26-Feb-2021	Vanguard Investments Australia Ltd.	SELL	127.32	Ordinary	(984)	(984)
26-Feb-2021	Vanguard Investments Australia Ltd.	SELL	127.19	Ordinary	(836)	(836)
26-Feb-2021	Vanguard Investments Australia Ltd.	BUY	127.19	Ordinary	3,310	3,310
26-Feb-2021	Vanguard Investments Australia Ltd.	BUY	127.19	Ordinary	6,440	6,440
3-Mar-2021	Vanguard Investments Australia Ltd.	BUY	129.75	Ordinary	6,620	6,620
4-Mar-2021	Vanguard Investments Australia Ltd.	BUY	121.67	Ordinary	274	274
4-Mar-2021	Vanguard Investments Australia Ltd.	BUY	121.67	Ordinary	9,127	9,127
5-Mar-2021	Vanguard Investments Australia Ltd.	SELL	117.68	Ordinary	(1,150)	(1,150)
5-Mar-2021	Vanguard Investments Australia Ltd.	BUY	117.68	Ordinary	3,330	3,330
8-Mar-2021	Vanguard Investments Australia Ltd.	SELL	121.11	Ordinary	(1,623)	(1,623)
9-Mar-2021	Vanguard Investments Australia Ltd.	BUY	121.21	Ordinary	847	847
9-Mar-2021	Vanguard Investments Australia Ltd.	SELL	121.21	Ordinary	(2,291)	(2,291)
9-Mar-2021	Vanguard Investments Australia Ltd.	BUY	121.21	Ordinary	999	999
10-Mar-2021	Vanguard Investments Australia Ltd.	BUY	114.49	Ordinary	1,752	1,752
10-Mar-2021	Vanguard Investments Australia Ltd.	SELL	114.49	Ordinary	(825)	(825)
10-Mar-2021	Vanguard Investments Australia Ltd.	BUY	114.49	Ordinary	3,996	3,996
15-Mar-2021	Vanguard Investments Australia Ltd.	SELL	114.13	Ordinary	(2,336)	(2,336)
17-Mar-2021	Vanguard Investments Australia Ltd.	BUY	111.79	Ordinary	3,330	3,330
19-Mar-2021	Vanguard Investments Australia Ltd.	SELL	109.15	Ordinary	(6,601)	(6,601)
19-Mar-2021	Vanguard Investments Australia Ltd.	SELL	109.15	Ordinary	(1,764)	(1,764)
19-Mar-2021	Vanguard Investments Australia Ltd.	SELL	109.15	Ordinary	(545)	(545)
22-Mar-2021	Vanguard Investments Australia Ltd.	BUY	107.81	Ordinary	2,332	2,332
24-Mar-2021	Vanguard Investments Australia Ltd.	BUY	109.70	Ordinary	49	49
30-Mar-2021	Vanguard Investments Australia Ltd.	BUY	109.60	Ordinary	3,630	3,630
30-Mar-2021	Vanguard Investments Australia Ltd.	BUY	109.60	Ordinary	4,290	4,290
31-Mar-2021	Vanguard Investments Australia Ltd.	SELL	110.75	Ordinary	(173)	(173)
31-Mar-2021	Vanguard Investments Australia Ltd.	SELL	110.75	Ordinary	(5,207)	(5,207)
31-Mar-2021	Vanguard Investments Australia Ltd.	SELL	110.75	Ordinary	(7,463)	(7,463)
31-Mar-2021	Vanguard Investments Australia Ltd.	SELL	110.75	Ordinary	(14,118)	(14,118)
1-Apr-2021	Vanguard Investments Australia Ltd.	BUY	112.00	Ordinary	2,304	2,304
1-Apr-2021	Vanguard Investments Australia Ltd.	IN SPECIE	112.00	Ordinary	(663,845)	(663,845)
6-Apr-2021	Vanguard Investments Australia Ltd.	BUY	112.12	Ordinary	2,225	2,225
6-Apr-2021	Vanguard Investments Australia Ltd.	BUY	112.12	Ordinary	2,064	2,064
6-Apr-2021	Vanguard Investments Australia Ltd.	BUY	112.12	Ordinary	882	882
6-Apr-2021	Vanguard Investments Australia Ltd.	BUY	112.12	Ordinary	8,338	8,338
6-Apr-2021	Vanguard Investments Australia Ltd.	BUY	112.12	Ordinary	981	981
7-Apr-2021	Vanguard Investments Australia Ltd.	BUY	112.54	Ordinary	3,982	3,982
7-Apr-2021	Vanguard Investments Australia Ltd.	BUY	112.54	Ordinary	892	892
7-Apr-2021	Vanguard Investments Australia Ltd.	BUY	113.44	Ordinary	3,924	3,924
8-Apr-2021	Vanguard Investments Australia Ltd.	SELL	115.88	Ordinary	(880)	(880)
9-Apr-2021	Vanguard Investments Australia Ltd.	BUY	115.50	Ordinary	3,924	3,924
9-Apr-2021	Vanguard Investments Australia Ltd.	BUY	115.50	Ordinary	7,194	7,194
12-Apr-2021	Vanguard Investments Australia Ltd.	BUY	114.88	Ordinary	1,728	1,728
19-Apr-2021	Vanguard Investments Australia Ltd.	BUY	120.85	Ordinary	2,711	2,711
20-Apr-2021	Vanguard Investments Australia Ltd.	SELL	120.20	Ordinary	(45)	(45)
20-Apr-2021	Vanguard Investments Australia Ltd.	SELL	120.20	Ordinary	(1,293)	(1,293)
20-Apr-2021	Vanguard Investments Australia Ltd.	BUY	120.20	Ordinary	6,580	6,580
21-Apr-2021	Vanguard Investments Australia Ltd.	BUY	120.09	Ordinary	4,327	4,327
21-Apr-2021	Vanguard Investments Australia Ltd.	BUY	120.09	Ordinary	2,320	2,320
21-Apr-2021	Vanguard Investments Australia Ltd.	BUY	120.09	Ordinary	1,204	1,204
21-Apr-2021	Vanguard Investments Australia Ltd.	BUY	120.09	Ordinary	499	499
21-Apr-2021	Vanguard Investments Australia Ltd.	BUY	120.09	Ordinary	4,066	4,066
21-Apr-2021	Vanguard Investments Australia Ltd.	BUY	120.09	Ordinary	8,894	8,894
27-Apr-2021	Vanguard Investments Australia Ltd.	BUY	123.64	Ordinary	836	836

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27-Apr-2021	Vanguard Investments Australia Ltd.	BUY	123.64	Ordinary	6,910	6,910
29-Apr-2021	Vanguard Investments Australia Ltd.	BUY	123.22	Ordinary	3,641	3,641
30-Apr-2021	Vanguard Investments Australia Ltd.	BUY	121.15	Ordinary	2,320	2,320
30-Apr-2021	Vanguard Investments Australia Ltd.	BUY	121.15	Ordinary	3,252	3,252
3-May-2021	Vanguard Investments Australia Ltd.	BUY	120.09	Ordinary	3,310	3,310
4-May-2021	Vanguard Investments Australia Ltd.	BUY	123.13	Ordinary	880	880
5-May-2021	Vanguard Investments Australia Ltd.	BUY	124.54	Ordinary	880	880
6-May-2021	Vanguard Investments Australia Ltd.	BUY	125.76	Ordinary	4,965	4,965
7-May-2021	Vanguard Investments Australia Ltd.	BUY	127.11	Ordinary	15,327	15,327
11-May-2021	Vanguard Investments Australia Ltd.	BUY	130.61	Ordinary	75	75
12-May-2021	Vanguard Investments Australia Ltd.	BUY	130.04	Ordinary	2,324	2,324
13-May-2021	Vanguard Investments Australia Ltd.	BUY	128.00	Ordinary	3,785	3,785
13-May-2021	Vanguard Investments Australia Ltd.	BUY	128.00	Ordinary	1,214	1,214
13-May-2021	Vanguard Investments Australia Ltd.	BUY	128.00	Ordinary	3,205	3,205
14-May-2021	Vanguard Investments Australia Ltd.	BUY	125.43	Ordinary	5,200	5,200
14-May-2021	Vanguard Investments Australia Ltd.	BUY	125.43	Ordinary	4,662	4,662
17-May-2021	Vanguard Investments Australia Ltd.	BUY	126.04	Ordinary	134	134
17-May-2021	Vanguard Investments Australia Ltd.	BUY	126.04	Ordinary	4,398	4,398
17-May-2021	Vanguard Investments Australia Ltd.	BUY	126.04	Ordinary	2,336	2,336
17-May-2021	Vanguard Investments Australia Ltd.	SELL	126.04	Ordinary	(4,341)	(4,341)
17-May-2021	Vanguard Investments Australia Ltd.	BUY	126.04	Ordinary	3,996	3,996
17-May-2021	Vanguard Investments Australia Ltd.	BUY	126.04	Ordinary	4,025	4,025
19-May-2021	Vanguard Investments Australia Ltd.	BUY	123.88	Ordinary	4,316	4,316
20-May-2021	Vanguard Investments Australia Ltd.	BUY	123.26	Ordinary	2,336	2,336
20-May-2021	Vanguard Investments Australia Ltd.	IN SPECIE	123.26	Ordinary	(1,338,931)	(1,338,931)
20-May-2021	Vanguard Investments Australia Ltd.	IN SPECIE	123.26	Ordinary	(11,457)	(11,457)
21-May-2021	Vanguard Investments Australia Ltd.	BUY	122.12	Ordinary	6,660	6,660
25-May-2021	Vanguard Investments Australia Ltd.	BUY	121.45	Ordinary	3,996	3,996
27-May-2021	Vanguard Investments Australia Ltd.	BUY	119.87	Ordinary	914	914
27-May-2021	Vanguard Investments Australia Ltd.	BUY	119.87	Ordinary	1,752	1,752
27-May-2021	Vanguard Investments Australia Ltd.	SELL	119.95	Ordinary	(377)	(377)
27-May-2021	Vanguard Investments Australia Ltd.	SELL	119.95	Ordinary	(903)	(903)
27-May-2021	Vanguard Investments Australia Ltd.	SELL	119.95	Ordinary	(2,678)	(2,678)
31-May-2021	Vanguard Investments Australia Ltd.	BUY	123.73	Ordinary	11,553	11,553
8-Jun-2021	Vanguard Investments Australia Ltd.	BUY	124.16	Ordinary	1,168	1,168
8-Jun-2021	Vanguard Investments Australia Ltd.	SELL	124.16	Ordinary	(839)	(839)
8-Jun-2021	Vanguard Investments Australia Ltd.	BUY	124.16	Ordinary	3,996	3,996
9-Jun-2021	Vanguard Investments Australia Ltd.	BUY	124.80	Ordinary	3,996	3,996
11-Jun-2021	Vanguard Investments Australia Ltd.	BUY	124.94	Ordinary	2,336	2,336
18-Jun-2021	Vanguard Investments Australia Ltd.	BUY	123.47	Ordinary	116,814	116,814
18-Jun-2021	Vanguard Investments Australia Ltd.	SELL	123.47	Ordinary	(1,042)	(1,042)
22-Jun-2021	Vanguard Investments Australia Ltd.	BUY	121.99	Ordinary	1,328	1,328
22-Jun-2021	Vanguard Investments Australia Ltd.	BUY	121.99	Ordinary	3,320	3,320
23-Jun-2021	Vanguard Investments Australia Ltd.	IN SPECIE	122.85	Ordinary	(648,736)	(648,736)
23-Jun-2021	Vanguard Investments Australia Ltd.	IN SPECIE	122.85	Ordinary	(312,069)	(312,069)
23-Jun-2021	Vanguard Investments Australia Ltd.	IN SPECIE	122.85	Ordinary	(265,106)	(265,106)
24-Jun-2021	Vanguard Investments Australia Ltd.	BUY	124.36	Ordinary	2,548	2,548
28-Jun-2021	Vanguard Investments Australia Ltd.	SELL	126.05	Ordinary	(1,493)	(1,493)
29-Jun-2021	Vanguard Investments Australia Ltd.	BUY	125.00	Ordinary	2,552	2,552
29-Jun-2021	Vanguard Investments Australia Ltd.	BUY	125.00	Ordinary	3,996	3,996
30-Jun-2021	Vanguard Investments Australia Ltd.	SELL	126.64	Ordinary	(5,322)	(5,322)
2-Jul-2021	Vanguard Investments Australia Ltd.	BUY	125.71	Ordinary	1,655	1,655
2-Jul-2021	Vanguard Investments Australia Ltd.	BUY	125.71	Ordinary	9,422	9,422
5-Jul-2021	Vanguard Investments Australia Ltd.	BUY	126.13	Ordinary	3,175	3,175
6-Jul-2021	Vanguard Investments Australia Ltd.	BUY	125.41	Ordinary	7,769	7,769
7-Jul-2021	Vanguard Investments Australia Ltd.	BUY	126.04	Ordinary	4,634	4,634
9-Jul-2021	Vanguard Investments Australia Ltd.	BUY	125.40	Ordinary	5,627	5,627
9-Jul-2021	Vanguard Investments Australia Ltd.	BUY	125.40	Ordinary	4,634	4,634
9-Jul-2021	Vanguard Investments Australia Ltd.	BUY	125.40	Ordinary	9,445	9,445
12-Jul-2021	Vanguard Investments Australia Ltd.	BUY	127.60	Ordinary	492	492
15-Jul-2021	Vanguard Investments Australia Ltd.	BUY	131.14	Ordinary	18,804	18,804
15-Jul-2021	Vanguard Investments Australia Ltd.	BUY	131.14	Ordinary	9,870	9,870
16-Jul-2021	Vanguard Investments Australia Ltd.	BUY	130.60	Ordinary	2,512	2,512
19-Jul-2021	Vanguard Investments Australia Ltd.	SELL	127.83	Ordinary	(424)	(424)
19-Jul-2021	Vanguard Investments Australia Ltd.	BUY	127.83	Ordinary	1,660	1,660
20-Jul-2021	Vanguard Investments Australia Ltd.	SELL	124.42	Ordinary	(574)	(574)
20-Jul-2021	Vanguard Investments Australia Ltd.	BUY	124.42	Ordinary	3,984	3,984
20-Jul-2021	Vanguard Investments Australia Ltd.	BUY	124.42	Ordinary	9,983	9,983

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
21-Jul-2021	Vanguard Investments Australia Ltd.	BUY	125.87	Ordinary	2,540	2,540
23-Jul-2021	Vanguard Investments Australia Ltd.	BUY	127.10	Ordinary	3,972	3,972
26-Jul-2021	Vanguard Investments Australia Ltd.	SELL	130.11	Ordinary	(1,680)	(1,680)
27-Jul-2021	Vanguard Investments Australia Ltd.	IN SPECIE	132.47	Ordinary	(326,941)	(326,941)
29-Jul-2021	Vanguard Investments Australia Ltd.	BUY	134.17	Ordinary	454	454
3-Aug-2021	Vanguard Investments Australia Ltd.	BUY	132.39	Ordinary	1,469	1,469
3-Aug-2021	Vanguard Investments Australia Ltd.	BUY	132.39	Ordinary	4,620	4,620
3-Aug-2021	Vanguard Investments Australia Ltd.	BUY	132.39	Ordinary	7,613	7,613
6-Aug-2021	Vanguard Investments Australia Ltd.	BUY	130.05	Ordinary	2,540	2,540
6-Aug-2021	Vanguard Investments Australia Ltd.	BUY	130.05	Ordinary	353	353
6-Aug-2021	Vanguard Investments Australia Ltd.	BUY	130.05	Ordinary	4,715	4,715
6-Aug-2021	Vanguard Investments Australia Ltd.	BUY	130.05	Ordinary	11,012	11,012
9-Aug-2021	Vanguard Investments Australia Ltd.	BUY	128.26	Ordinary	454	454
9-Aug-2021	Vanguard Investments Australia Ltd.	BUY	128.26	Ordinary	3,972	3,972
11-Aug-2021	Vanguard Investments Australia Ltd.	SELL	129.14	Ordinary	(1,302)	(1,302)
12-Aug-2021	Vanguard Investments Australia Ltd.	BUY	120.26	Ordinary	96	96
12-Aug-2021	Vanguard Investments Australia Ltd.	BUY	120.26	Ordinary	454	454
12-Aug-2021	Vanguard Investments Australia Ltd.	BUY	120.26	Ordinary	5,608	5,608
12-Aug-2021	Vanguard Investments Australia Ltd.	SELL	120.26	Ordinary	(404)	(404)
13-Aug-2021	Vanguard Investments Australia Ltd.	SELL	120.36	Ordinary	(301)	(301)
16-Aug-2021	Vanguard Investments Australia Ltd.	BUY	118.49	Ordinary	3,185	3,185
16-Aug-2021	Vanguard Investments Australia Ltd.	BUY	118.49	Ordinary	6,580	6,580
18-Aug-2021	Vanguard Investments Australia Ltd.	BUY	113.69	Ordinary	2,556	2,556
18-Aug-2021	Vanguard Investments Australia Ltd.	BUY	113.69	Ordinary	2,632	2,632
18-Aug-2021	Vanguard Investments Australia Ltd.	BUY	113.69	Ordinary	6,580	6,580
19-Aug-2021	Vanguard Investments Australia Ltd.	BUY	107.17	Ordinary	4,277	4,277
19-Aug-2021	Vanguard Investments Australia Ltd.	BUY	107.17	Ordinary	8,840	8,840
20-Aug-2021	Vanguard Investments Australia Ltd.	BUY	107.23	Ordinary	1,917	1,917
20-Aug-2021	Vanguard Investments Australia Ltd.	BUY	107.23	Ordinary	1,645	1,645
23-Aug-2021	Vanguard Investments Australia Ltd.	BUY	106.69	Ordinary	1,810	1,810
23-Aug-2021	Vanguard Investments Australia Ltd.	BUY	106.69	Ordinary	10,002	10,002
24-Aug-2021	Vanguard Investments Australia Ltd.	BUY	108.10	Ordinary	456	456
24-Aug-2021	Vanguard Investments Australia Ltd.	BUY	108.10	Ordinary	1,917	1,917
25-Aug-2021	Vanguard Investments Australia Ltd.	BUY	110.91	Ordinary	49	49
25-Aug-2021	Vanguard Investments Australia Ltd.	SELL	110.91	Ordinary	(1,068)	(1,068)
25-Aug-2021	Vanguard Investments Australia Ltd.	BUY	110.91	Ordinary	4,277	4,277
25-Aug-2021	Vanguard Investments Australia Ltd.	BUY	110.91	Ordinary	6,967	6,967
26-Aug-2021	Vanguard Investments Australia Ltd.	BUY	109.37	Ordinary	679	679
26-Aug-2021	Vanguard Investments Australia Ltd.	BUY	109.37	Ordinary	3,290	3,290
30-Aug-2021	Vanguard Investments Australia Ltd.	BUY	113.12	Ordinary	3,205	3,205
30-Aug-2021	Vanguard Investments Australia Ltd.	BUY	113.12	Ordinary	4,606	4,606
1-Sep-2021	Vanguard Investments Australia Ltd.	BUY	109.39	Ordinary	85	85
1-Sep-2021	Vanguard Investments Australia Ltd.	BUY	109.39	Ordinary	5,036	5,036
1-Sep-2021	Vanguard Investments Australia Ltd.	BUY	109.39	Ordinary	2,568	2,568
2-Sep-2021	Vanguard Investments Australia Ltd.	BUY	108.65	Ordinary	5,296	5,296
2-Sep-2021	Vanguard Investments Australia Ltd.	BUY	108.65	Ordinary	15,983	15,983
3-Sep-2021	Vanguard Investments Australia Ltd.	BUY	111.37	Ordinary	462	462
3-Sep-2021	Vanguard Investments Australia Ltd.	BUY	111.37	Ordinary	12,484	12,484
6-Sep-2021	Vanguard Investments Australia Ltd.	BUY	110.69	Ordinary	5,673	5,673
6-Sep-2021	Vanguard Investments Australia Ltd.	BUY	110.69	Ordinary	3,984	3,984
7-Sep-2021	Vanguard Investments Australia Ltd.	BUY	108.70	Ordinary	2,596	2,596
8-Sep-2021	Vanguard Investments Australia Ltd.	BUY	108.17	Ordinary	1,298	1,298
8-Sep-2021	Vanguard Investments Australia Ltd.	BUY	108.17	Ordinary	9,943	9,943
9-Sep-2021	Vanguard Investments Australia Ltd.	BUY	105.50	Ordinary	2,596	2,596
9-Sep-2021	Vanguard Investments Australia Ltd.	SELL	105.50	Ordinary	(555)	(555)
9-Sep-2021	Vanguard Investments Australia Ltd.	BUY	105.50	Ordinary	4,662	4,662
9-Sep-2021	Vanguard Investments Australia Ltd.	BUY	105.50	Ordinary	5,713	5,713
15-Sep-2021	Vanguard Investments Australia Ltd.	SELL	104.63	Ordinary	(1,078)	(1,078)
15-Sep-2021	Vanguard Investments Australia Ltd.	BUY	104.63	Ordinary	3,996	3,996
16-Sep-2021	Vanguard Investments Australia Ltd.	BUY	103.67	Ordinary	3,245	3,245
17-Sep-2021	Vanguard Investments Australia Ltd.	BUY	98.80	Ordinary	1,730	1,730
17-Sep-2021	Vanguard Investments Australia Ltd.	SELL	98.84	Ordinary	(410)	(410)
17-Sep-2021	Vanguard Investments Australia Ltd.	SELL	98.84	Ordinary	(754)	(754)
20-Sep-2021	Vanguard Investments Australia Ltd.	BUY	95.24	Ordinary	3,245	3,245
20-Sep-2021	Vanguard Investments Australia Ltd.	BUY	95.24	Ordinary	4,648	4,648
21-Sep-2021	Vanguard Investments Australia Ltd.	BUY	95.71	Ordinary	1,938	1,938
23-Sep-2021	Vanguard Investments Australia Ltd.	BUY	98.86	Ordinary	5,610	5,610
28-Sep-2021	Vanguard Investments Australia Ltd.	BUY	97.47	Ordinary	3,972	3,972

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
29-Sep-2021	Vanguard Investments Australia Ltd.	BUY	96.89	Ordinary	5,814	5,814
29-Sep-2021	Vanguard Investments Australia Ltd.	BUY	96.89	Ordinary	1,650	1,650
30-Sep-2021	Vanguard Investments Australia Ltd.	SELL	100.18	Ordinary	(21,016)	(21,016)
1-Oct-2021	Vanguard Investments Australia Ltd.	BUY	97.28	Ordinary	5,184	5,184
1-Oct-2021	Vanguard Investments Australia Ltd.	BUY	97.28	Ordinary	4,860	4,860
4-Oct-2021	Vanguard Investments Australia Ltd.	BUY	97.50	Ordinary	1,620	1,620
7-Oct-2021	Vanguard Investments Australia Ltd.	BUY	96.54	Ordinary	3,436	3,436
8-Oct-2021	Vanguard Investments Australia Ltd.	BUY	100.40	Ordinary	5,216	5,216
8-Oct-2021	Vanguard Investments Australia Ltd.	BUY	100.40	Ordinary	785	785
8-Oct-2021	Vanguard Investments Australia Ltd.	BUY	100.40	Ordinary	1,069	1,069
12-Oct-2021	Vanguard Investments Australia Ltd.	BUY	102.64	Ordinary	148	148
12-Oct-2021	Vanguard Investments Australia Ltd.	BUY	102.64	Ordinary	1,596	1,596
14-Oct-2021	Vanguard Investments Australia Ltd.	BUY	100.51	Ordinary	3,792	3,792
15-Oct-2021	Vanguard Investments Australia Ltd.	BUY	99.60	Ordinary	4,238	4,238
18-Oct-2021	Vanguard Investments Australia Ltd.	SELL	101.45	Ordinary	(2,194)	(2,194)
18-Oct-2021	Vanguard Investments Australia Ltd.	SELL	101.45	Ordinary	(4,714)	(4,714)
21-Oct-2021	Vanguard Investments Australia Ltd.	BUY	96.79	Ordinary	4,251	4,251
22-Oct-2021	Vanguard Investments Australia Ltd.	BUY	95.03	Ordinary	3,792	3,792
27-Oct-2021	Vanguard Investments Australia Ltd.	BUY	94.14	Ordinary	8,216	8,216
27-Oct-2021	Vanguard Investments Australia Ltd.	IN SPECIE	94.14	Ordinary	(178,097)	(178,097)
28-Oct-2021	Vanguard Investments Australia Ltd.	BUY	93.39	Ordinary	28,576	28,576
29-Oct-2021	Vanguard Investments Australia Ltd.	BUY	90.29	Ordinary	4,920	4,920
1-Nov-2021	Vanguard Investments Australia Ltd.	BUY	90.97	Ordinary	1,640	1,640
2-Nov-2021	Vanguard Investments Australia Ltd.	SELL	88.66	Ordinary	(18,226)	(18,226)
3-Nov-2021	Vanguard Investments Australia Ltd.	BUY	89.70	Ordinary	3,160	3,160
3-Nov-2021	Vanguard Investments Australia Ltd.	BUY	89.70	Ordinary	459	459
4-Nov-2021	Vanguard Investments Australia Ltd.	BUY	88.32	Ordinary	3,924	3,924
5-Nov-2021	Vanguard Investments Australia Ltd.	BUY	88.81	Ordinary	13,545	13,545
5-Nov-2021	Vanguard Investments Australia Ltd.	IN SPECIE	89.47	Ordinary	(1,736,815)	(1,736,815)

This is Annexure A of 26 pages referred to in Form 605, Notice of ceasing to be a substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 10 November 2021