

**Form 603**  
Corporations Act 2001  
Section 671B

**Notice of initial substantial holder**

To Company Name/Scheme Rio Tinto Limited  
ACN/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/A  
The holder became a substantial holder on 06 April 2022

**2. Details of voting power**

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in on the date the substantial holder became a substantial holder are as follows:

Class of securities (4)	Number of securities	Person's votes (5)	Voting power (6)
<b>Ordinary</b>	<b>18,564,679</b>	<b>18,564,679</b>	<b>5.001%</b>

**3. Details of relevant interests**

The nature of the relevant interest the substantial holder or an associate had in the following voting securities on the date the substantial holder became a substantial holder are as follows:

Holder of relevant interest	Nature of relevant interest (7)	Class and number of securities
<b>Vanguard Group</b>	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	<b>Ordinary – 18,564,679</b>

**4. Details of present registered holders**

The persons registered as holders of the securities referred to in paragraph 3 above are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Class and number of securities
<b>Vanguard Group</b>	<b>Brown Brothers Harriman</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 1,072,106</b>
<b>Vanguard Group</b>	<b>BNY Mellon</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 1,236,747</b>
<b>Vanguard Group</b>	<b>JP Morgan Chase Bank, N.A.</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 13,221,165</b>
<b>Vanguard Group</b>	<b>State Street Bank and Trust Company</b>	Various funds and other accounts of Vanguard Group	<b>Ordinary – 3,034,661</b>

**5. Consideration**

The consideration paid for each relevant interest referred to in paragraph 3 above, and acquired in the four months prior to the day that the substantial holder became a substantial holder is as follows:

Holder of relevant interest	Date of acquisition	Consideration (9)	Class and number of securities
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See Annexure A

**6. Associates**

The reasons the persons named in paragraph 3 above are associates of the substantial holder are as follows:

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

**7. 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

print name Shawn Acker capacity Compliance Manager

sign here  date 8 April 2022

## DIRECTIONS

- (1) If there are a number of substantial holders with similar or related 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 7 of the form.
  - (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
  - (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
  - (4) The voting shares of a company constitute one class unless divided into separate classes.
  - (5) The total number of votes attached to all the voting shares in the company or voting interests in the scheme (if any) that the person or an Associate has a relevant interest in.
  - (6) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
  - (7) Include details of:
    - (a) any relevant agreement or other circumstances by which the relevant interest was acquired. 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.
- (8) If the substantial holder is unable to determine the identity of the person (eg. if the relevant interest arises because of an option) write "unknown".
  - (9) Details of the consideration must include any and all benefits, moneys and other, that any person from whom a relevant interest has 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 of its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.

To Company Rio Tinto Limited  
 ACN/ARSN 004 458 404

Substantial Holder Name Vanguard Group  
 ACN/ARSN 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
7-Dec-2021	The Vanguard Group, Inc.	BUY	94.65	Ordinary	480	480
7-Dec-2021	The Vanguard Group, Inc.	SELL	94.65	Ordinary	(5,058)	(5,058)
7-Dec-2021	The Vanguard Group, Inc.	BUY	95.80	Ordinary	2,358	2,358
7-Dec-2021	The Vanguard Group, Inc.	BUY	95.80	Ordinary	2,358	2,358
7-Dec-2021	The Vanguard Group, Inc.	BUY	95.80	Ordinary	456	456
8-Dec-2021	The Vanguard Group, Inc.	BUY	96.71	Ordinary	691	691
8-Dec-2021	The Vanguard Group, Inc.	BUY	96.71	Ordinary	176	176
8-Dec-2021	The Vanguard Group, Inc.	BUY	96.84	Ordinary	1,050	1,050
8-Dec-2021	The Vanguard Group, Inc.	BUY	96.65	Ordinary	3,026	3,026
8-Dec-2021	The Vanguard Group, Inc.	IN SPECIE	96.71	Ordinary	(7,297)	(7,297)
8-Dec-2021	The Vanguard Group, Inc.	IN SPECIE	96.71	Ordinary	(618)	(618)
9-Dec-2021	The Vanguard Group, Inc.	BUY	95.60	Ordinary	1,770	1,770
9-Dec-2021	The Vanguard Group, Inc.	SELL	95.60	Ordinary	(310)	(310)
10-Dec-2021	The Vanguard Group, Inc.	BUY	96.00	Ordinary	3,960	3,960
10-Dec-2021	The Vanguard Group, Inc.	BUY	96.32	Ordinary	481	481
10-Dec-2021	The Vanguard Group, Inc.	SELL	95.83	Ordinary	(7,582)	(7,582)
13-Dec-2021	The Vanguard Group, Inc.	BUY	97.19	Ordinary	12,552	12,552
14-Dec-2021	The Vanguard Group, Inc.	BUY	98.10	Ordinary	348	348
14-Dec-2021	The Vanguard Group, Inc.	BUY	98.10	Ordinary	165	165
14-Dec-2021	The Vanguard Group, Inc.	BUY	97.80	Ordinary	6,000	6,000
15-Dec-2021	The Vanguard Group, Inc.	BUY	99.15	Ordinary	760	760
16-Dec-2021	The Vanguard Group, Inc.	BUY	98.00	Ordinary	749	749
16-Dec-2021	The Vanguard Group, Inc.	SELL	98.00	Ordinary	(16,539)	(16,539)
16-Dec-2021	The Vanguard Group, Inc.	BUY	98.65	Ordinary	1,050	1,050
17-Dec-2021	The Vanguard Group, Inc.	SELL	98.02	Ordinary	(1,209)	(1,209)
17-Dec-2021	The Vanguard Group, Inc.	SELL	98.00	Ordinary	(1,526)	(1,526)
17-Dec-2021	The Vanguard Group, Inc.	BUY	98.00	Ordinary	367	367
17-Dec-2021	The Vanguard Group, Inc.	BUY	98.00	Ordinary	5,743	5,743
17-Dec-2021	The Vanguard Group, Inc.	SELL	98.02	Ordinary	(7,339)	(7,339)
17-Dec-2021	The Vanguard Group, Inc.	SELL	98.02	Ordinary	(6,902)	(6,902)
17-Dec-2021	The Vanguard Group, Inc.	SELL	98.02	Ordinary	(10,063)	(10,063)
17-Dec-2021	The Vanguard Group, Inc.	SELL	98.72	Ordinary	(238)	(238)
17-Dec-2021	The Vanguard Group, Inc.	BUY	97.44	Ordinary	648	648
17-Dec-2021	The Vanguard Group, Inc.	SELL	98.02	Ordinary	(5,150)	(5,150)
17-Dec-2021	The Vanguard Group, Inc.	SELL	98.02	Ordinary	(1,311)	(1,311)
17-Dec-2021	The Vanguard Group, Inc.	BUY	97.44	Ordinary	624	624
20-Dec-2021	The Vanguard Group, Inc.	BUY	98.48	Ordinary	1,080	1,080
20-Dec-2021	The Vanguard Group, Inc.	BUY	98.48	Ordinary	864	864
21-Dec-2021	The Vanguard Group, Inc.	BUY	101.40	Ordinary	326	326
21-Dec-2021	The Vanguard Group, Inc.	BUY	101.40	Ordinary	677	677
21-Dec-2021	The Vanguard Group, Inc.	BUY	101.40	Ordinary	742	742
21-Dec-2021	The Vanguard Group, Inc.	SELL	101.40	Ordinary	(4,072)	(4,072)
21-Dec-2021	The Vanguard Group, Inc.	BUY	101.62	Ordinary	608	608
21-Dec-2021	The Vanguard Group, Inc.	BUY	101.62	Ordinary	1,520	1,520
21-Dec-2021	The Vanguard Group, Inc.	BUY	101.62	Ordinary	1,604	1,604
21-Dec-2021	The Vanguard Group, Inc.	BUY	101.62	Ordinary	5,614	5,614
21-Dec-2021	The Vanguard Group, Inc.	BUY	98.58	Ordinary	8,090	8,090
21-Dec-2021	The Vanguard Group, Inc.	BUY	101.62	Ordinary	912	912
21-Dec-2021	The Vanguard Group, Inc.	BUY	101.62	Ordinary	456	456
22-Dec-2021	The Vanguard Group, Inc.	BUY	99.35	Ordinary	166	166
22-Dec-2021	The Vanguard Group, Inc.	BUY	100.62	Ordinary	1,140	1,140
22-Dec-2021	The Vanguard Group, Inc.	BUY	100.62	Ordinary	760	760
22-Dec-2021	The Vanguard Group, Inc.	BUY	100.62	Ordinary	1,140	1,140
22-Dec-2021	The Vanguard Group, Inc.	BUY	100.62	Ordinary	1,604	1,604
22-Dec-2021	The Vanguard Group, Inc.	BUY	100.62	Ordinary	648	648
22-Dec-2021	The Vanguard Group, Inc.	BUY	100.62	Ordinary	3,240	3,240
22-Dec-2021	The Vanguard Group, Inc.	BUY	100.62	Ordinary	456	456
23-Dec-2021	The Vanguard Group, Inc.	BUY	100.14	Ordinary	5,905	5,905
23-Dec-2021	The Vanguard Group, Inc.	BUY	100.47	Ordinary	820	820
28-Dec-2021	The Vanguard Group, Inc.	BUY	99.95	Ordinary	4,180	4,180
28-Dec-2021	The Vanguard Group, Inc.	BUY	99.95	Ordinary	1,140	1,140

## Annexure 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
28-Dec-2021	The Vanguard Group, Inc.	BUY	99.96	Ordinary	2,406	2,406
28-Dec-2021	The Vanguard Group, Inc.	BUY	99.95	Ordinary	1,604	1,604
29-Dec-2021	The Vanguard Group, Inc.	BUY	99.07	Ordinary	760	760
29-Dec-2021	The Vanguard Group, Inc.	BUY	99.07	Ordinary	2,005	2,005
29-Dec-2021	The Vanguard Group, Inc.	BUY	99.94	Ordinary	7,651	7,651
29-Dec-2021	The Vanguard Group, Inc.	BUY	99.07	Ordinary	608	608
30-Dec-2021	The Vanguard Group, Inc.	SELL	99.54	Ordinary	(27)	(27)
30-Dec-2021	The Vanguard Group, Inc.	BUY	99.64	Ordinary	760	760
30-Dec-2021	The Vanguard Group, Inc.	BUY	99.64	Ordinary	2,005	2,005
31-Dec-2021	The Vanguard Group, Inc.	BUY	100.11	Ordinary	185	185
3-Jan-2022	The Vanguard Group, Inc.	BUY	100.30	Ordinary	1,596	1,596
5-Jan-2022	The Vanguard Group, Inc.	BUY	100.48	Ordinary	151	151
5-Jan-2022	The Vanguard Group, Inc.	BUY	100.48	Ordinary	302	302
5-Jan-2022	The Vanguard Group, Inc.	BUY	100.48	Ordinary	679	679
5-Jan-2022	The Vanguard Group, Inc.	BUY	100.48	Ordinary	4,674	4,674
5-Jan-2022	The Vanguard Group, Inc.	BUY	100.48	Ordinary	431	431
5-Jan-2022	The Vanguard Group, Inc.	BUY	99.68	Ordinary	1,592	1,592
5-Jan-2022	The Vanguard Group, Inc.	BUY	99.68	Ordinary	2,388	2,388
5-Jan-2022	The Vanguard Group, Inc.	BUY	99.68	Ordinary	1,990	1,990
5-Jan-2022	The Vanguard Group, Inc.	BUY	99.68	Ordinary	410	410
6-Jan-2022	The Vanguard Group, Inc.	BUY	101.21	Ordinary	579	579
6-Jan-2022	The Vanguard Group, Inc.	BUY	101.21	Ordinary	174	174
6-Jan-2022	The Vanguard Group, Inc.	SELL	101.39	Ordinary	(277)	(277)
6-Jan-2022	The Vanguard Group, Inc.	BUY	102.81	Ordinary	864	864
7-Jan-2022	The Vanguard Group, Inc.	BUY	103.63	Ordinary	312	312
7-Jan-2022	The Vanguard Group, Inc.	BUY	103.40	Ordinary	8,401	8,401
7-Jan-2022	The Vanguard Group, Inc.	BUY	103.92	Ordinary	3,564	3,564
7-Jan-2022	The Vanguard Group, Inc.	BUY	103.92	Ordinary	3,168	3,168
7-Jan-2022	The Vanguard Group, Inc.	BUY	103.40	Ordinary	5,476	5,476
7-Jan-2022	The Vanguard Group, Inc.	BUY	103.63	Ordinary	4,107	4,107
7-Jan-2022	The Vanguard Group, Inc.	BUY	103.92	Ordinary	615	615
10-Jan-2022	The Vanguard Group, Inc.	BUY	104.64	Ordinary	615	615
11-Jan-2022	The Vanguard Group, Inc.	BUY	107.60	Ordinary	9,153	9,153
11-Jan-2022	The Vanguard Group, Inc.	BUY	107.60	Ordinary	1,356	1,356
11-Jan-2022	The Vanguard Group, Inc.	BUY	107.60	Ordinary	8,712	8,712
11-Jan-2022	The Vanguard Group, Inc.	BUY	107.60	Ordinary	1,980	1,980
11-Jan-2022	The Vanguard Group, Inc.	BUY	107.60	Ordinary	2,376	2,376
11-Jan-2022	The Vanguard Group, Inc.	BUY	106.43	Ordinary	5,083	5,083
11-Jan-2022	The Vanguard Group, Inc.	BUY	107.60	Ordinary	1,512	1,512
11-Jan-2022	The Vanguard Group, Inc.	BUY	107.60	Ordinary	615	615
12-Jan-2022	The Vanguard Group, Inc.	BUY	107.27	Ordinary	302	302
12-Jan-2022	The Vanguard Group, Inc.	BUY	107.92	Ordinary	2,712	2,712
12-Jan-2022	The Vanguard Group, Inc.	BUY	107.92	Ordinary	3,564	3,564
12-Jan-2022	The Vanguard Group, Inc.	BUY	107.92	Ordinary	820	820
13-Jan-2022	The Vanguard Group, Inc.	BUY	108.67	Ordinary	3,927	3,927
17-Jan-2022	The Vanguard Group, Inc.	BUY	110.03	Ordinary	679	679
17-Jan-2022	The Vanguard Group, Inc.	BUY	110.03	Ordinary	415	415
17-Jan-2022	The Vanguard Group, Inc.	BUY	111.00	Ordinary	4,210	4,210
18-Jan-2022	The Vanguard Group, Inc.	BUY	109.65	Ordinary	564	564
18-Jan-2022	The Vanguard Group, Inc.	BUY	109.65	Ordinary	1,148	1,148
19-Jan-2022	The Vanguard Group, Inc.	BUY	109.91	Ordinary	174	174
19-Jan-2022	The Vanguard Group, Inc.	BUY	109.91	Ordinary	6,574	6,574
19-Jan-2022	The Vanguard Group, Inc.	SELL	110.18	Ordinary	(12,421)	(12,421)
19-Jan-2022	The Vanguard Group, Inc.	BUY	110.36	Ordinary	10,093	10,093
19-Jan-2022	The Vanguard Group, Inc.	BUY	110.61	Ordinary	864	864
19-Jan-2022	The Vanguard Group, Inc.	BUY	110.61	Ordinary	410	410
20-Jan-2022	The Vanguard Group, Inc.	BUY	113.41	Ordinary	175	175
20-Jan-2022	The Vanguard Group, Inc.	SELL	111.54	Ordinary	(5,053)	(5,053)
20-Jan-2022	The Vanguard Group, Inc.	BUY	112.39	Ordinary	1,584	1,584
21-Jan-2022	The Vanguard Group, Inc.	BUY	108.72	Ordinary	288	288
21-Jan-2022	The Vanguard Group, Inc.	BUY	108.72	Ordinary	446	446
21-Jan-2022	The Vanguard Group, Inc.	BUY	111.56	Ordinary	25	25
21-Jan-2022	The Vanguard Group, Inc.	BUY	107.50	Ordinary	1,080	1,080
21-Jan-2022	The Vanguard Group, Inc.	BUY	111.56	Ordinary	1,260	1,260
24-Jan-2022	The Vanguard Group, Inc.	BUY	106.99	Ordinary	3,313	3,313
25-Jan-2022	The Vanguard Group, Inc.	BUY	107.08	Ordinary	438	438
25-Jan-2022	The Vanguard Group, Inc.	SELL	107.08	Ordinary	(304)	(304)
25-Jan-2022	The Vanguard Group, Inc.	BUY	107.08	Ordinary	954	954

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-Jan-2022	The Vanguard Group, Inc.	BUY	107.49	Ordinary	615	615
27-Jan-2022	The Vanguard Group, Inc.	SELL	109.80	Ordinary	(7,125)	(7,125)
27-Jan-2022	The Vanguard Group, Inc.	BUY	109.81	Ordinary	5,233	5,233
27-Jan-2022	The Vanguard Group, Inc.	BUY	110.50	Ordinary	608	608
27-Jan-2022	The Vanguard Group, Inc.	BUY	110.50	Ordinary	410	410
28-Jan-2022	The Vanguard Group, Inc.	SELL	113.76	Ordinary	(2,701)	(2,701)
28-Jan-2022	The Vanguard Group, Inc.	SELL	113.76	Ordinary	(18,852)	(18,852)
28-Jan-2022	The Vanguard Group, Inc.	SELL	113.76	Ordinary	(33)	(33)
28-Jan-2022	The Vanguard Group, Inc.	SELL	113.76	Ordinary	(2,149)	(2,149)
28-Jan-2022	The Vanguard Group, Inc.	SELL	113.76	Ordinary	(292)	(292)
31-Jan-2022	The Vanguard Group, Inc.	BUY	111.56	Ordinary	177	177
31-Jan-2022	The Vanguard Group, Inc.	SELL	111.37	Ordinary	(5,944)	(5,944)
31-Jan-2022	The Vanguard Group, Inc.	BUY	112.45	Ordinary	1,980	1,980
31-Jan-2022	The Vanguard Group, Inc.	BUY	111.37	Ordinary	8,445	8,445
1-Feb-2022	The Vanguard Group, Inc.	BUY	108.90	Ordinary	176	176
1-Feb-2022	The Vanguard Group, Inc.	BUY	108.90	Ordinary	87	87
1-Feb-2022	The Vanguard Group, Inc.	SELL	109.00	Ordinary	(6,229)	(6,229)
1-Feb-2022	The Vanguard Group, Inc.	BUY	109.00	Ordinary	10,900	10,900
1-Feb-2022	The Vanguard Group, Inc.	BUY	110.41	Ordinary	615	615
2-Feb-2022	The Vanguard Group, Inc.	BUY	111.43	Ordinary	83	83
2-Feb-2022	The Vanguard Group, Inc.	SELL	111.08	Ordinary	(5,090)	(5,090)
2-Feb-2022	The Vanguard Group, Inc.	BUY	111.08	Ordinary	7,303	7,303
2-Feb-2022	The Vanguard Group, Inc.	BUY	111.33	Ordinary	2,133	2,133
3-Feb-2022	The Vanguard Group, Inc.	BUY	114.14	Ordinary	779	779
3-Feb-2022	The Vanguard Group, Inc.	BUY	114.14	Ordinary	391	391
3-Feb-2022	The Vanguard Group, Inc.	SELL	110.81	Ordinary	(7,470)	(7,470)
4-Feb-2022	The Vanguard Group, Inc.	BUY	114.61	Ordinary	381	381
4-Feb-2022	The Vanguard Group, Inc.	SELL	114.61	Ordinary	(6,299)	(6,299)
4-Feb-2022	The Vanguard Group, Inc.	SELL	112.61	Ordinary	(6,159)	(6,159)
4-Feb-2022	The Vanguard Group, Inc.	BUY	112.88	Ordinary	3,807	3,807
7-Feb-2022	The Vanguard Group, Inc.	BUY	114.69	Ordinary	1,036	1,036
7-Feb-2022	The Vanguard Group, Inc.	BUY	114.69	Ordinary	3,456	3,456
7-Feb-2022	The Vanguard Group, Inc.	BUY	114.69	Ordinary	100	100
7-Feb-2022	The Vanguard Group, Inc.	SELL	114.69	Ordinary	(10,776)	(10,776)
7-Feb-2022	The Vanguard Group, Inc.	BUY	114.89	Ordinary	1,584	1,584
7-Feb-2022	The Vanguard Group, Inc.	BUY	112.81	Ordinary	6,974	6,974
7-Feb-2022	The Vanguard Group, Inc.	BUY	114.69	Ordinary	12,344	12,344
7-Feb-2022	The Vanguard Group, Inc.	BUY	114.89	Ordinary	726	726
7-Feb-2022	The Vanguard Group, Inc.	BUY	114.89	Ordinary	615	615
7-Feb-2022	The Vanguard Group, Inc.	BUY	114.89	Ordinary	820	820
8-Feb-2022	The Vanguard Group, Inc.	BUY	117.18	Ordinary	176	176
8-Feb-2022	The Vanguard Group, Inc.	BUY	118.22	Ordinary	6,869	6,869
8-Feb-2022	The Vanguard Group, Inc.	BUY	118.22	Ordinary	5,550	5,550
8-Feb-2022	The Vanguard Group, Inc.	BUY	118.22	Ordinary	4,398	4,398
8-Feb-2022	The Vanguard Group, Inc.	BUY	117.54	Ordinary	615	615
8-Feb-2022	The Vanguard Group, Inc.	BUY	117.54	Ordinary	1,435	1,435
8-Feb-2022	The Vanguard Group, Inc.	BUY	118.22	Ordinary	5,509	5,509
9-Feb-2022	The Vanguard Group, Inc.	BUY	116.53	Ordinary	176	176
9-Feb-2022	The Vanguard Group, Inc.	BUY	116.53	Ordinary	2,767	2,767
9-Feb-2022	The Vanguard Group, Inc.	BUY	116.53	Ordinary	2,455	2,455
9-Feb-2022	The Vanguard Group, Inc.	BUY	118.48	Ordinary	4,492	4,492
9-Feb-2022	The Vanguard Group, Inc.	BUY	117.14	Ordinary	723	723
9-Feb-2022	The Vanguard Group, Inc.	BUY	117.14	Ordinary	615	615
10-Feb-2022	The Vanguard Group, Inc.	BUY	118.96	Ordinary	437	437
10-Feb-2022	The Vanguard Group, Inc.	SELL	118.26	Ordinary	(237)	(237)
11-Feb-2022	The Vanguard Group, Inc.	BUY	122.36	Ordinary	1,408	1,408
11-Feb-2022	The Vanguard Group, Inc.	BUY	122.37	Ordinary	912	912
11-Feb-2022	The Vanguard Group, Inc.	BUY	122.37	Ordinary	608	608
14-Feb-2022	The Vanguard Group, Inc.	BUY	121.58	Ordinary	145	145
15-Feb-2022	The Vanguard Group, Inc.	BUY	118.75	Ordinary	528	528
15-Feb-2022	The Vanguard Group, Inc.	SELL	118.75	Ordinary	(6,612)	(6,612)
15-Feb-2022	The Vanguard Group, Inc.	SELL	118.75	Ordinary	(1,858)	(1,858)
15-Feb-2022	The Vanguard Group, Inc.	BUY	120.27	Ordinary	1,985	1,985
15-Feb-2022	The Vanguard Group, Inc.	BUY	120.69	Ordinary	3,492	3,492
15-Feb-2022	The Vanguard Group, Inc.	BUY	120.27	Ordinary	720	720
15-Feb-2022	The Vanguard Group, Inc.	BUY	120.27	Ordinary	820	820
16-Feb-2022	The Vanguard Group, Inc.	BUY	118.56	Ordinary	296	296
16-Feb-2022	The Vanguard Group, Inc.	BUY	118.56	Ordinary	295	295

Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
16-Feb-2022	The Vanguard Group, Inc.	BUY	118.56	Ordinary	704	704
16-Feb-2022	The Vanguard Group, Inc.	BUY	118.56	Ordinary	3,014	3,014
16-Feb-2022	The Vanguard Group, Inc.	BUY	119.15	Ordinary	1,985	1,985
16-Feb-2022	The Vanguard Group, Inc.	BUY	118.65	Ordinary	285	285
16-Feb-2022	The Vanguard Group, Inc.	BUY	119.15	Ordinary	1,452	1,452
16-Feb-2022	The Vanguard Group, Inc.	BUY	119.15	Ordinary	608	608
16-Feb-2022	The Vanguard Group, Inc.	BUY	119.15	Ordinary	608	608
17-Feb-2022	The Vanguard Group, Inc.	BUY	119.94	Ordinary	600	600
17-Feb-2022	The Vanguard Group, Inc.	SELL	119.94	Ordinary	(3,350)	(3,350)
17-Feb-2022	The Vanguard Group, Inc.	BUY	119.94	Ordinary	350	350
17-Feb-2022	The Vanguard Group, Inc.	BUY	118.90	Ordinary	912	912
17-Feb-2022	The Vanguard Group, Inc.	BUY	118.90	Ordinary	615	615
17-Feb-2022	The Vanguard Group, Inc.	BUY	118.90	Ordinary	1,435	1,435
18-Feb-2022	The Vanguard Group, Inc.	BUY	119.25	Ordinary	175	175
18-Feb-2022	The Vanguard Group, Inc.	SELL	119.25	Ordinary	(3,278)	(3,278)
18-Feb-2022	The Vanguard Group, Inc.	BUY	118.64	Ordinary	760	760
18-Feb-2022	The Vanguard Group, Inc.	BUY	118.64	Ordinary	615	615
18-Feb-2022	The Vanguard Group, Inc.	BUY	118.64	Ordinary	615	615
22-Feb-2022	The Vanguard Group, Inc.	BUY	118.50	Ordinary	150	150
22-Feb-2022	The Vanguard Group, Inc.	BUY	118.50	Ordinary	350	350
22-Feb-2022	The Vanguard Group, Inc.	BUY	118.47	Ordinary	2,382	2,382
22-Feb-2022	The Vanguard Group, Inc.	BUY	118.47	Ordinary	410	410
23-Feb-2022	The Vanguard Group, Inc.	BUY	119.87	Ordinary	348	348
23-Feb-2022	The Vanguard Group, Inc.	SELL	119.87	Ordinary	(11,686)	(11,686)
23-Feb-2022	The Vanguard Group, Inc.	BUY	119.87	Ordinary	344	344
23-Feb-2022	The Vanguard Group, Inc.	BUY	119.87	Ordinary	96	96
23-Feb-2022	The Vanguard Group, Inc.	BUY	119.87	Ordinary	4,129	4,129
24-Feb-2022	The Vanguard Group, Inc.	BUY	115.35	Ordinary	143	143
24-Feb-2022	The Vanguard Group, Inc.	SELL	115.35	Ordinary	(9,170)	(9,170)
24-Feb-2022	The Vanguard Group, Inc.	SELL	115.79	Ordinary	(1,017)	(1,017)
24-Feb-2022	The Vanguard Group, Inc.	BUY	117.21	Ordinary	4,674	4,674
24-Feb-2022	The Vanguard Group, Inc.	BUY	115.79	Ordinary	615	615
24-Feb-2022	The Vanguard Group, Inc.	BUY	115.79	Ordinary	820	820
25-Feb-2022	The Vanguard Group, Inc.	SELL	114.54	Ordinary	(13,719)	(13,719)
25-Feb-2022	The Vanguard Group, Inc.	BUY	117.79	Ordinary	1,985	1,985
25-Feb-2022	The Vanguard Group, Inc.	BUY	117.79	Ordinary	1,588	1,588
25-Feb-2022	The Vanguard Group, Inc.	BUY	117.79	Ordinary	760	760
28-Feb-2022	The Vanguard Group, Inc.	SELL	118.17	Ordinary	(18,340)	(18,340)
28-Feb-2022	The Vanguard Group, Inc.	SELL	118.17	Ordinary	(138)	(138)
1-Mar-2022	The Vanguard Group, Inc.	BUY	118.09	Ordinary	495	495
1-Mar-2022	The Vanguard Group, Inc.	BUY	118.09	Ordinary	4,279	4,279
1-Mar-2022	The Vanguard Group, Inc.	BUY	118.09	Ordinary	9,493	9,493
2-Mar-2022	The Vanguard Group, Inc.	SELL	123.26	Ordinary	(4,913)	(4,913)
2-Mar-2022	The Vanguard Group, Inc.	BUY	124.82	Ordinary	1,985	1,985
2-Mar-2022	The Vanguard Group, Inc.	BUY	120.48	Ordinary	12,048	12,048
3-Mar-2022	The Vanguard Group, Inc.	BUY	126.54	Ordinary	5,595	5,595
4-Mar-2022	The Vanguard Group, Inc.	SELL	126.56	Ordinary	(673)	(673)
4-Mar-2022	The Vanguard Group, Inc.	BUY	126.56	Ordinary	174	174
4-Mar-2022	The Vanguard Group, Inc.	BUY	126.56	Ordinary	214	214
4-Mar-2022	The Vanguard Group, Inc.	BUY	126.56	Ordinary	359	359
4-Mar-2022	The Vanguard Group, Inc.	BUY	127.53	Ordinary	410	410
7-Mar-2022	The Vanguard Group, Inc.	SELL	125.98	Ordinary	(1,695)	(1,695)
7-Mar-2022	The Vanguard Group, Inc.	BUY	127.44	Ordinary	2,137	2,137
7-Mar-2022	The Vanguard Group, Inc.	BUY	127.44	Ordinary	5,093	5,093
7-Mar-2022	The Vanguard Group, Inc.	BUY	126.01	Ordinary	960	960
7-Mar-2022	The Vanguard Group, Inc.	BUY	125.98	Ordinary	820	820
8-Mar-2022	The Vanguard Group, Inc.	SELL	120.51	Ordinary	(107)	(107)
8-Mar-2022	The Vanguard Group, Inc.	BUY	124.21	Ordinary	10,693	10,693
8-Mar-2022	The Vanguard Group, Inc.	BUY	124.21	Ordinary	6,392	6,392
9-Mar-2022	The Vanguard Group, Inc.	BUY	119.88	Ordinary	350	350
9-Mar-2022	The Vanguard Group, Inc.	BUY	119.88	Ordinary	6,585	6,585
9-Mar-2022	The Vanguard Group, Inc.	BUY	119.88	Ordinary	560	560
9-Mar-2022	The Vanguard Group, Inc.	BUY	119.77	Ordinary	560	560
9-Mar-2022	The Vanguard Group, Inc.	SELL	119.88	Ordinary	(560)	(560)
9-Mar-2022	The Vanguard Group, Inc.	BUY	119.88	Ordinary	2,166	2,166
9-Mar-2022	The Vanguard Group, Inc.	BUY	119.88	Ordinary	6,368	6,368
9-Mar-2022	The Vanguard Group, Inc.	BUY	119.88	Ordinary	824	824

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
10-Mar-2022	The Vanguard Group, Inc.	BUY	110.61	Ordinary	174	174
10-Mar-2022	The Vanguard Group, Inc.	SELL	110.44	Ordinary	(3,740)	(3,740)
10-Mar-2022	The Vanguard Group, Inc.	BUY	111.36	Ordinary	4,011	4,011
11-Mar-2022	The Vanguard Group, Inc.	BUY	111.70	Ordinary	174	174
11-Mar-2022	The Vanguard Group, Inc.	BUY	111.70	Ordinary	2,347	2,347
11-Mar-2022	The Vanguard Group, Inc.	BUY	111.70	Ordinary	414	414
14-Mar-2022	The Vanguard Group, Inc.	SELL	111.12	Ordinary	(1,020)	(1,020)
14-Mar-2022	The Vanguard Group, Inc.	BUY	112.07	Ordinary	10,473	10,473
15-Mar-2022	The Vanguard Group, Inc.	BUY	106.75	Ordinary	175	175
15-Mar-2022	The Vanguard Group, Inc.	BUY	106.75	Ordinary	8,794	8,794
15-Mar-2022	The Vanguard Group, Inc.	BUY	106.75	Ordinary	430	430
15-Mar-2022	The Vanguard Group, Inc.	BUY	106.75	Ordinary	92	92
15-Mar-2022	The Vanguard Group, Inc.	BUY	107.30	Ordinary	4,542	4,542
15-Mar-2022	The Vanguard Group, Inc.	BUY	106.88	Ordinary	621	621
16-Mar-2022	The Vanguard Group, Inc.	BUY	109.55	Ordinary	640	640
16-Mar-2022	The Vanguard Group, Inc.	BUY	107.31	Ordinary	4,271	4,271
16-Mar-2022	The Vanguard Group, Inc.	BUY	107.31	Ordinary	3,735	3,735
16-Mar-2022	The Vanguard Group, Inc.	BUY	109.55	Ordinary	720	720
16-Mar-2022	The Vanguard Group, Inc.	BUY	109.55	Ordinary	720	720
17-Mar-2022	The Vanguard Group, Inc.	BUY	108.59	Ordinary	144	144
17-Mar-2022	The Vanguard Group, Inc.	BUY	108.59	Ordinary	348	348
17-Mar-2022	The Vanguard Group, Inc.	BUY	109.25	Ordinary	6,804	6,804
18-Mar-2022	The Vanguard Group, Inc.	SELL	110.39	Ordinary	(2,143)	(2,143)
18-Mar-2022	The Vanguard Group, Inc.	SELL	110.39	Ordinary	(385)	(385)
18-Mar-2022	The Vanguard Group, Inc.	SELL	110.39	Ordinary	(26)	(26)
18-Mar-2022	The Vanguard Group, Inc.	SELL	110.39	Ordinary	(313)	(313)
18-Mar-2022	The Vanguard Group, Inc.	SELL	110.39	Ordinary	(32,641)	(32,641)
18-Mar-2022	The Vanguard Group, Inc.	SELL	110.39	Ordinary	(6,801)	(6,801)
18-Mar-2022	The Vanguard Group, Inc.	SELL	110.39	Ordinary	(7,259)	(7,259)
18-Mar-2022	The Vanguard Group, Inc.	SELL	110.35	Ordinary	(25)	(25)
18-Mar-2022	The Vanguard Group, Inc.	SELL	110.39	Ordinary	(2,338)	(2,338)
18-Mar-2022	The Vanguard Group, Inc.	SELL	110.39	Ordinary	(4,708)	(4,708)
18-Mar-2022	The Vanguard Group, Inc.	SELL	110.39	Ordinary	(3,006)	(3,006)
22-Mar-2022	The Vanguard Group, Inc.	BUY	113.74	Ordinary	179	179
22-Mar-2022	The Vanguard Group, Inc.	BUY	113.70	Ordinary	4,753	4,753
22-Mar-2022	The Vanguard Group, Inc.	BUY	113.70	Ordinary	1,224	1,224
23-Mar-2022	The Vanguard Group, Inc.	BUY	113.68	Ordinary	137	137
23-Mar-2022	The Vanguard Group, Inc.	BUY	113.59	Ordinary	949	949
23-Mar-2022	The Vanguard Group, Inc.	BUY	113.19	Ordinary	4,276	4,276
23-Mar-2022	The Vanguard Group, Inc.	BUY	113.19	Ordinary	4,075	4,075
24-Mar-2022	The Vanguard Group, Inc.	BUY	116.02	Ordinary	72	72
24-Mar-2022	The Vanguard Group, Inc.	BUY	116.85	Ordinary	730	730
24-Mar-2022	The Vanguard Group, Inc.	BUY	116.85	Ordinary	408	408
25-Mar-2022	The Vanguard Group, Inc.	BUY	116.87	Ordinary	177	177
25-Mar-2022	The Vanguard Group, Inc.	SELL	116.87	Ordinary	(3,563)	(3,563)
25-Mar-2022	The Vanguard Group, Inc.	BUY	116.01	Ordinary	34	34
29-Mar-2022	The Vanguard Group, Inc.	BUY	116.84	Ordinary	350	350
29-Mar-2022	The Vanguard Group, Inc.	BUY	116.84	Ordinary	610	610
29-Mar-2022	The Vanguard Group, Inc.	BUY	116.84	Ordinary	7,862	7,862
29-Mar-2022	The Vanguard Group, Inc.	BUY	116.84	Ordinary	4,945	4,945
29-Mar-2022	The Vanguard Group, Inc.	BUY	116.84	Ordinary	4,571	4,571
30-Mar-2022	The Vanguard Group, Inc.	BUY	116.91	Ordinary	415	415
30-Mar-2022	The Vanguard Group, Inc.	BUY	116.93	Ordinary	1,626	1,626
31-Mar-2022	The Vanguard Group, Inc.	BUY	119.11	Ordinary	133	133
31-Mar-2022	The Vanguard Group, Inc.	BUY	119.11	Ordinary	266	266
31-Mar-2022	The Vanguard Group, Inc.	BUY	119.47	Ordinary	1,580	1,580
31-Mar-2022	The Vanguard Group, Inc.	BUY	118.95	Ordinary	4,911	4,911
31-Mar-2022	The Vanguard Group, Inc.	IN SPECIE	119.47	Ordinary	(19,941)	(19,941)
31-Mar-2022	The Vanguard Group, Inc.	BUY	119.47	Ordinary	1,020	1,020
1-Apr-2022	The Vanguard Group, Inc.	BUY	120.34	Ordinary	176	176
1-Apr-2022	The Vanguard Group, Inc.	BUY	120.63	Ordinary	3,938	3,938
1-Apr-2022	The Vanguard Group, Inc.	BUY	120.63	Ordinary	2,472	2,472
1-Apr-2022	The Vanguard Group, Inc.	BUY	121.18	Ordinary	552	552
4-Apr-2022	The Vanguard Group, Inc.	BUY	120.66	Ordinary	280	280
4-Apr-2022	The Vanguard Group, Inc.	SELL	122.12	Ordinary	(310)	(310)
5-Apr-2022	The Vanguard Group, Inc.	BUY	120.24	Ordinary	280	280
5-Apr-2022	The Vanguard Group, Inc.	BUY	120.24	Ordinary	354	354
5-Apr-2022	The Vanguard Group, Inc.	BUY	120.24	Ordinary	107	107

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
5-Apr-2022	The Vanguard Group, Inc.	BUY	119.90	Ordinary	6,843	6,843
5-Apr-2022	The Vanguard Group, Inc.	BUY	119.42	Ordinary	740	740
5-Apr-2022	The Vanguard Group, Inc.	BUY	119.42	Ordinary	852	852
6-Apr-2022	The Vanguard Group, Inc.	BUY	118.49	Ordinary	592	592
6-Apr-2022	The Vanguard Group, Inc.	BUY	117.92	Ordinary	3,172	3,172
6-Apr-2022	The Vanguard Group, Inc.	BUY	118.49	Ordinary	1,990	1,990
6-Apr-2022	The Vanguard Group, Inc.	BUY	118.49	Ordinary	820	820
7-Dec-2021	Vanguard Investments Australia Ltd.	BUY	94.65	Ordinary	3,888	3,888
8-Dec-2021	Vanguard Investments Australia Ltd.	BUY	96.71	Ordinary	3,240	3,240
10-Dec-2021	Vanguard Investments Australia Ltd.	BUY	95.83	Ordinary	3,912	3,912
10-Dec-2021	Vanguard Investments Australia Ltd.	SELL	95.83	Ordinary	(736)	(736)
13-Dec-2021	Vanguard Investments Australia Ltd.	BUY	98.05	Ordinary	3,190	3,190
13-Dec-2021	Vanguard Investments Australia Ltd.	BUY	98.05	Ordinary	7,018	7,018
15-Dec-2021	Vanguard Investments Australia Ltd.	BUY	98.34	Ordinary	1,784	1,784
16-Dec-2021	Vanguard Investments Australia Ltd.	BUY	98.00	Ordinary	3,936	3,936
16-Dec-2021	Vanguard Investments Australia Ltd.	BUY	98.00	Ordinary	4,264	4,264
16-Dec-2021	Vanguard Investments Australia Ltd.	SELL	98.00	Ordinary	(163)	(163)
16-Dec-2021	Vanguard Investments Australia Ltd.	BUY	98.00	Ordinary	1,911	1,911
17-Dec-2021	Vanguard Investments Australia Ltd.	BUY	98.00	Ordinary	34,178	34,178
17-Dec-2021	Vanguard Investments Australia Ltd.	BUY	98.00	Ordinary	3,185	3,185
17-Dec-2021	Vanguard Investments Australia Ltd.	SELL	98.02	Ordinary	(110,499)	(110,499)
20-Dec-2021	Vanguard Investments Australia Ltd.	BUY	98.23	Ordinary	1,308	1,308
23-Dec-2021	Vanguard Investments Australia Ltd.	BUY	99.22	Ordinary	3,260	3,260
29-Dec-2021	Vanguard Investments Australia Ltd.	SELL	98.80	Ordinary	(1,772)	(1,772)
29-Dec-2021	Vanguard Investments Australia Ltd.	BUY	98.80	Ordinary	2,940	2,940
31-Dec-2021	Vanguard Investments Australia Ltd.	SELL	100.11	Ordinary	(284)	(284)
31-Dec-2021	Vanguard Investments Australia Ltd.	SELL	100.11	Ordinary	(4,648)	(4,648)
4-Jan-2022	Vanguard Investments Australia Ltd.	BUY	99.69	Ordinary	3,250	3,250
4-Jan-2022	Vanguard Investments Australia Ltd.	BUY	99.69	Ordinary	2,925	2,925
6-Jan-2022	Vanguard Investments Australia Ltd.	BUY	101.21	Ordinary	2,336	2,336
7-Jan-2022	Vanguard Investments Australia Ltd.	BUY	103.63	Ordinary	3,900	3,900
7-Jan-2022	Vanguard Investments Australia Ltd.	SELL	103.63	Ordinary	(2,973)	(2,973)
12-Jan-2022	Vanguard Investments Australia Ltd.	BUY	107.27	Ordinary	3,900	3,900
14-Jan-2022	Vanguard Investments Australia Ltd.	BUY	110.60	Ordinary	440	440
18-Jan-2022	Vanguard Investments Australia Ltd.	BUY	109.65	Ordinary	3,250	3,250
19-Jan-2022	Vanguard Investments Australia Ltd.	BUY	109.91	Ordinary	3,900	3,900
19-Jan-2022	Vanguard Investments Australia Ltd.	BUY	109.91	Ordinary	3,504	3,504
19-Jan-2022	Vanguard Investments Australia Ltd.	BUY	109.91	Ordinary	2,920	2,920
20-Jan-2022	Vanguard Investments Australia Ltd.	SELL	113.03	Ordinary	(7,592)	(7,592)
21-Jan-2022	Vanguard Investments Australia Ltd.	BUY	108.72	Ordinary	3,912	3,912
21-Jan-2022	Vanguard Investments Australia Ltd.	BUY	108.72	Ordinary	3,260	3,260
21-Jan-2022	Vanguard Investments Australia Ltd.	SELL	108.75	Ordinary	(16,314)	(16,314)
24-Jan-2022	Vanguard Investments Australia Ltd.	SELL	107.76	Ordinary	(15,238)	(15,238)
25-Jan-2022	Vanguard Investments Australia Ltd.	SELL	106.97	Ordinary	(18,785)	(18,785)
25-Jan-2022	Vanguard Investments Australia Ltd.	BUY	107.08	Ordinary	4,672	4,672
27-Jan-2022	Vanguard Investments Australia Ltd.	BUY	109.29	Ordinary	3,260	3,260
27-Jan-2022	Vanguard Investments Australia Ltd.	SELL	109.29	Ordinary	(27,000)	(27,000)
28-Jan-2022	Vanguard Investments Australia Ltd.	SELL	112.66	Ordinary	(17,848)	(17,848)
28-Jan-2022	Vanguard Investments Australia Ltd.	SELL	113.76	Ordinary	(73,000)	(73,000)
28-Jan-2022	Vanguard Investments Australia Ltd.	SELL	113.76	Ordinary	(2,886)	(2,886)
28-Jan-2022	Vanguard Investments Australia Ltd.	BUY	113.76	Ordinary	17,719	17,719
31-Jan-2022	Vanguard Investments Australia Ltd.	BUY	111.56	Ordinary	5,270	5,270
31-Jan-2022	Vanguard Investments Australia Ltd.	BUY	111.56	Ordinary	2,960	2,960
3-Feb-2022	Vanguard Investments Australia Ltd.	BUY	114.14	Ordinary	3,140	3,140
3-Feb-2022	Vanguard Investments Australia Ltd.	BUY	114.14	Ordinary	411	411
3-Feb-2022	Vanguard Investments Australia Ltd.	BUY	114.14	Ordinary	1,184	1,184
4-Feb-2022	Vanguard Investments Australia Ltd.	SELL	114.61	Ordinary	(2,488)	(2,488)
4-Feb-2022	Vanguard Investments Australia Ltd.	BUY	114.61	Ordinary	9,916	9,916
9-Feb-2022	Vanguard Investments Australia Ltd.	BUY	116.53	Ordinary	36,596	36,596
9-Feb-2022	Vanguard Investments Australia Ltd.	BUY	116.53	Ordinary	4,725	4,725
9-Feb-2022	Vanguard Investments Australia Ltd.	BUY	116.53	Ordinary	403	403
9-Feb-2022	Vanguard Investments Australia Ltd.	BUY	116.53	Ordinary	2,384	2,384
10-Feb-2022	Vanguard Investments Australia Ltd.	BUY	118.96	Ordinary	1,884	1,884
18-Feb-2022	Vanguard Investments Australia Ltd.	BUY	119.25	Ordinary	2,844	2,844
22-Feb-2022	Vanguard Investments Australia Ltd.	BUY	118.50	Ordinary	3,804	3,804
22-Feb-2022	Vanguard Investments Australia Ltd.	SELL	118.50	Ordinary	(83,260)	(83,260)
22-Feb-2022	Vanguard Investments Australia Ltd.	BUY	118.50	Ordinary	2,628	2,628
24-Feb-2022	Vanguard Investments Australia Ltd.	BUY	115.35	Ordinary	14,473	14,473

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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
24-Feb-2022	Vanguard Investments Australia Ltd.	BUY	115.35	Ordinary	390	390
24-Feb-2022	Vanguard Investments Australia Ltd.	BUY	115.35	Ordinary	10,002	10,002
25-Feb-2022	Vanguard Investments Australia Ltd.	BUY	114.54	Ordinary	10,208	10,208
25-Feb-2022	Vanguard Investments Australia Ltd.	BUY	114.54	Ordinary	6,699	6,699
28-Feb-2022	Vanguard Investments Australia Ltd.	BUY	118.17	Ordinary	3,828	3,828
28-Feb-2022	Vanguard Investments Australia Ltd.	BUY	118.17	Ordinary	1,914	1,914
28-Feb-2022	Vanguard Investments Australia Ltd.	BUY	118.17	Ordinary	693	693
28-Feb-2022	Vanguard Investments Australia Ltd.	BUY	118.17	Ordinary	3,120	3,120
2-Mar-2022	Vanguard Investments Australia Ltd.	BUY	123.26	Ordinary	2,552	2,552
2-Mar-2022	Vanguard Investments Australia Ltd.	BUY	123.26	Ordinary	2,363	2,363
3-Mar-2022	Vanguard Investments Australia Ltd.	BUY	127.85	Ordinary	59	59
4-Mar-2022	Vanguard Investments Australia Ltd.	BUY	126.56	Ordinary	3,509	3,509
9-Mar-2022	Vanguard Investments Australia Ltd.	BUY	119.88	Ordinary	11,165	11,165
9-Mar-2022	Vanguard Investments Australia Ltd.	BUY	119.88	Ordinary	3,509	3,509
10-Mar-2022	Vanguard Investments Australia Ltd.	BUY	110.61	Ordinary	7,040	7,040
10-Mar-2022	Vanguard Investments Australia Ltd.	BUY	110.61	Ordinary	4,800	4,800
10-Mar-2022	Vanguard Investments Australia Ltd.	BUY	110.61	Ordinary	1,827	1,827
16-Mar-2022	Vanguard Investments Australia Ltd.	BUY	106.91	Ordinary	2,560	2,560
17-Mar-2022	Vanguard Investments Australia Ltd.	BUY	108.59	Ordinary	1,827	1,827
18-Mar-2022	Vanguard Investments Australia Ltd.	BUY	110.34	Ordinary	13,385	13,385
18-Mar-2022	Vanguard Investments Australia Ltd.	BUY	110.34	Ordinary	11,241	11,241
21-Mar-2022	Vanguard Investments Australia Ltd.	BUY	110.44	Ordinary	18,941	18,941
21-Mar-2022	Vanguard Investments Australia Ltd.	BUY	110.44	Ordinary	1,833	1,833
29-Mar-2022	Vanguard Investments Australia Ltd.	BUY	116.84	Ordinary	1,222	1,222
30-Mar-2022	Vanguard Investments Australia Ltd.	BUY	116.91	Ordinary	2,444	2,444
31-Mar-2022	Vanguard Investments Australia Ltd.	SELL	119.11	Ordinary	(29,741)	(29,741)
31-Mar-2022	Vanguard Investments Australia Ltd.	BUY	119.11	Ordinary	429	429
31-Mar-2022	Vanguard Investments Australia Ltd.	BUY	119.11	Ordinary	429	429
31-Mar-2022	Vanguard Investments Australia Ltd.	SELL	119.11	Ordinary	(87)	(87)
1-Apr-2022	Vanguard Investments Australia Ltd.	BUY	120.34	Ordinary	2,161	2,161
1-Apr-2022	Vanguard Investments Australia Ltd.	BUY	120.34	Ordinary	1,210	1,210
1-Apr-2022	Vanguard Investments Australia Ltd.	SELL	120.93	Ordinary	(1,033)	(1,033)
5-Apr-2022	Vanguard Investments Australia Ltd.	BUY	120.24	Ordinary	3,768	3,768
5-Apr-2022	Vanguard Investments Australia Ltd.	BUY	120.24	Ordinary	605	605
6-Apr-2022	Vanguard Investments Australia Ltd.	BUY	118.85	Ordinary	1,815	1,815

This is Annexure A of 7 pages referred to in Form 603, Notice of initial substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 8 April 2022