15 July 2001

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Form 603

Corporations Act 2001
Section 671B

Notice of initial substantial holder

To Company Name/Scheme: Cochlear Limited

ACN/ARSN: 002 618 073

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: 19 October 2021

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)
Ordinary	**3,289,139**	**3,289,139**	**5.001%**
Note: Vanguard Group also holds 727 shares of Cochlear Ltd. ADR.			

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
Vanguard Group	Vanguard Group is the manager of various Mutual funds and accounts and in that capacity has the power to dispose of the shares. The other members of Vanguard Group have a relevant interest under section 608(3) of the Corporations Act.	**Ordinary – 3,289,139**

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
Vanguard Group	**Brown Brothers Harriman**	Various funds and other accounts of Vanguard Group	**Ordinary – 194,791**
Vanguard Group	**BNY Mellon**	Various funds and other accounts of Vanguard Group	**Ordinary – 187,085**
Vanguard Group	**Citibank**	Various funds and other accounts of Vanguard Group	**Ordinary – 1,253**
Vanguard Group	**JP Morgan Chase Bank, N.A.**	Various funds and other accounts of Vanguard Group	**Ordinary – 2,014,985**
Vanguard Group	**State Street Bank and Trust Company**	Various funds and other accounts of Vanguard Group	**Ordinary – 487,081**
Vanguard Group	**Various others**	Various funds and other accounts of Vanguard Group	**Ordinary – 403,944**

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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
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 21 October 2021

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.

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To Company Cochlear Limited
ACN/ARSN 002 618 073

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
18-Jun-21	The Vanguard Group, Inc.	BUY	246.72	Ordinary	119	119
18-Jun-21	The Vanguard Group, Inc.	SELL	246.91	Ordinary	(223)	(223)
18-Jun-21	The Vanguard Group, Inc.	SELL	246.91	Ordinary	(1,683)	(1,683)
18-Jun-21	The Vanguard Group, Inc.	SELL	246.91	Ordinary	(1,314)	(1,314)
18-Jun-21	The Vanguard Group, Inc.	SELL	246.91	Ordinary	(1,021)	(1,021)
21-Jun-21	The Vanguard Group, Inc.	BUY	242.23	Ordinary	115	115
22-Jun-21	The Vanguard Group, Inc.	BUY	247.05	Ordinary	138	138
22-Jun-21	The Vanguard Group, Inc.	BUY	247.05	Ordinary	368	368
22-Jun-21	The Vanguard Group, Inc.	BUY	247.05	Ordinary	450	450
23-Jun-21	The Vanguard Group, Inc.	BUY	248.75	Ordinary	81	81
23-Jun-21	The Vanguard Group, Inc.	BUY	246.55	Ordinary	138	138
23-Jun-21	The Vanguard Group, Inc.	BUY	246.55	Ordinary	46	46
24-Jun-21	The Vanguard Group, Inc.	BUY	246.26	Ordinary	600	600
29-Jun-21	The Vanguard Group, Inc.	BUY	251.25	Ordinary	456	456
29-Jun-21	The Vanguard Group, Inc.	BUY	252.28	Ordinary	69	69
30-Jun-21	The Vanguard Group, Inc.	BUY	251.57	Ordinary	375	375
30-Jun-21	The Vanguard Group, Inc.	BUY	251.57	Ordinary	273	273
1-Jul-21	The Vanguard Group, Inc.	BUY	250.06	Ordinary	43	43
1-Jul-21	The Vanguard Group, Inc.	SELL	251.21	Ordinary	(289)	(289)
1-Jul-21	The Vanguard Group, Inc.	BUY	250.06	Ordinary	191	191
1-Jul-21	The Vanguard Group, Inc.	BUY	246.58	Ordinary	675	675
1-Jul-21	The Vanguard Group, Inc.	BUY	246.58	Ordinary	46	46
1-Jul-21	The Vanguard Group, Inc.	BUY	250.06	Ordinary	1,492	1,492
2-Jul-21	The Vanguard Group, Inc.	BUY	244.28	Ordinary	72	72
2-Jul-21	The Vanguard Group, Inc.	BUY	244.28	Ordinary	96	96
2-Jul-21	The Vanguard Group, Inc.	BUY	244.28	Ordinary	931	931
2-Jul-21	The Vanguard Group, Inc.	BUY	244.89	Ordinary	210	210
2-Jul-21	The Vanguard Group, Inc.	BUY	244.89	Ordinary	69	69
5-Jul-21	The Vanguard Group, Inc.	BUY	242.47	Ordinary	121	121
5-Jul-21	The Vanguard Group, Inc.	BUY	242.47	Ordinary	1,881	1,881
6-Jul-21	The Vanguard Group, Inc.	SELL	234.93	Ordinary	(3,888)	(3,888)
6-Jul-21	The Vanguard Group, Inc.	BUY	235.10	Ordinary	450	450
7-Jul-21	The Vanguard Group, Inc.	BUY	244.74	Ordinary	72	72
7-Jul-21	The Vanguard Group, Inc.	BUY	239.95	Ordinary	1,126	1,126
8-Jul-21	The Vanguard Group, Inc.	BUY	246.45	Ordinary	19	19
8-Jul-21	The Vanguard Group, Inc.	BUY	245.55	Ordinary	210	210
8-Jul-21	The Vanguard Group, Inc.	BUY	245.46	Ordinary	1,136	1,136
9-Jul-21	The Vanguard Group, Inc.	BUY	245.50	Ordinary	432	432
9-Jul-21	The Vanguard Group, Inc.	BUY	245.50	Ordinary	2,115	2,115
9-Jul-21	The Vanguard Group, Inc.	BUY	245.50	Ordinary	600	600
9-Jul-21	The Vanguard Group, Inc.	BUY	245.50	Ordinary	525	525
9-Jul-21	The Vanguard Group, Inc.	BUY	245.50	Ordinary	735	735
9-Jul-21	The Vanguard Group, Inc.	BUY	245.50	Ordinary	336	336
12-Jul-21	The Vanguard Group, Inc.	BUY	242.53	Ordinary	329	329
13-Jul-21	The Vanguard Group, Inc.	BUY	240.19	Ordinary	19	19
13-Jul-21	The Vanguard Group, Inc.	BUY	240.70	Ordinary	2,747	2,747
13-Jul-21	The Vanguard Group, Inc.	BUY	240.75	Ordinary	975	975
13-Jul-21	The Vanguard Group, Inc.	BUY	240.70	Ordinary	2,198	2,198
14-Jul-21	The Vanguard Group, Inc.	BUY	242.82	Ordinary	74	74
14-Jul-21	The Vanguard Group, Inc.	BUY	242.82	Ordinary	37	37
14-Jul-21	The Vanguard Group, Inc.	BUY	242.82	Ordinary	2,208	2,208
15-Jul-21	The Vanguard Group, Inc.	BUY	239.99	Ordinary	134	134
15-Jul-21	The Vanguard Group, Inc.	BUY	239.99	Ordinary	830	830
15-Jul-21	The Vanguard Group, Inc.	BUY	239.99	Ordinary	19	19
15-Jul-21	The Vanguard Group, Inc.	SELL	239.99	Ordinary	(217)	(217)
15-Jul-21	The Vanguard Group, Inc.	BUY	240.59	Ordinary	46	46
15-Jul-21	The Vanguard Group, Inc.	BUY	240.59	Ordinary	69	69
19-Jul-21	The Vanguard Group, Inc.	BUY	241.32	Ordinary	169	169
19-Jul-21	The Vanguard Group, Inc.	BUY	241.32	Ordinary	38	38
20-Jul-21	The Vanguard Group, Inc.	BUY	241.11	Ordinary	38	38
21-Jul-21	The Vanguard Group, Inc.	BUY	244.43	Ordinary	38	38
21-Jul-21	The Vanguard Group, Inc.	BUY	246.52	Ordinary	192	192

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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
21-Jul-21	The Vanguard Group, Inc.	BUY	246.52	Ordinary	900	900
21-Jul-21	The Vanguard Group, Inc.	BUY	246.52	Ordinary	315	315
21-Jul-21	The Vanguard Group, Inc.	BUY	244.49	Ordinary	5,150	5,150
22-Jul-21	The Vanguard Group, Inc.	BUY	244.60	Ordinary	473	473
22-Jul-21	The Vanguard Group, Inc.	SELL	244.60	Ordinary	(280)	(280)
22-Jul-21	The Vanguard Group, Inc.	BUY	243.99	Ordinary	282	282
22-Jul-21	The Vanguard Group, Inc.	SELL	243.99	Ordinary	(305)	(305)
22-Jul-21	The Vanguard Group, Inc.	BUY	243.99	Ordinary	69	69
23-Jul-21	The Vanguard Group, Inc.	BUY	246.07	Ordinary	131	131
26-Jul-21	The Vanguard Group, Inc.	BUY	248.47	Ordinary	1,258	1,258
26-Jul-21	The Vanguard Group, Inc.	BUY	248.47	Ordinary	46	46
26-Jul-21	The Vanguard Group, Inc.	BUY	248.34	Ordinary	1,741	1,741
27-Jul-21	The Vanguard Group, Inc.	BUY	243.18	Ordinary	188	188
28-Jul-21	The Vanguard Group, Inc.	BUY	243.59	Ordinary	363	363
28-Jul-21	The Vanguard Group, Inc.	BUY	244.00	Ordinary	1,222	1,222
28-Jul-21	The Vanguard Group, Inc.	BUY	244.00	Ordinary	210	210
28-Jul-21	The Vanguard Group, Inc.	BUY	244.00	Ordinary	210	210
29-Jul-21	The Vanguard Group, Inc.	SELL	247.64	Ordinary	(264)	(264)
29-Jul-21	The Vanguard Group, Inc.	BUY	248.01	Ordinary	488	488
29-Jul-21	The Vanguard Group, Inc.	SELL	247.00	Ordinary	(63)	(63)
29-Jul-21	The Vanguard Group, Inc.	BUY	246.67	Ordinary	1,567	1,567
30-Jul-21	The Vanguard Group, Inc.	BUY	245.34	Ordinary	121	121
30-Jul-21	The Vanguard Group, Inc.	BUY	245.34	Ordinary	569	569
30-Jul-21	The Vanguard Group, Inc.	BUY	246.53	Ordinary	315	315
30-Jul-21	The Vanguard Group, Inc.	BUY	246.53	Ordinary	69	69
2-Aug-21	The Vanguard Group, Inc.	BUY	246.89	Ordinary	305	305
2-Aug-21	The Vanguard Group, Inc.	BUY	247.94	Ordinary	1,116	1,116
3-Aug-21	The Vanguard Group, Inc.	BUY	249.20	Ordinary	36	36
3-Aug-21	The Vanguard Group, Inc.	BUY	249.20	Ordinary	639	639
3-Aug-21	The Vanguard Group, Inc.	BUY	248.95	Ordinary	1,718	1,718
3-Aug-21	The Vanguard Group, Inc.	BUY	250.00	Ordinary	46	46
4-Aug-21	The Vanguard Group, Inc.	BUY	249.10	Ordinary	35	35
5-Aug-21	The Vanguard Group, Inc.	BUY	249.00	Ordinary	65	65
5-Aug-21	The Vanguard Group, Inc.	SELL	248.38	Ordinary	(210)	(210)
5-Aug-21	The Vanguard Group, Inc.	BUY	248.38	Ordinary	152	152
6-Aug-21	The Vanguard Group, Inc.	SELL	249.26	Ordinary	(242)	(242)
9-Aug-21	The Vanguard Group, Inc.	BUY	252.76	Ordinary	259	259
10-Aug-21	The Vanguard Group, Inc.	BUY	252.88	Ordinary	161	161
10-Aug-21	The Vanguard Group, Inc.	BUY	252.43	Ordinary	1,278	1,278
11-Aug-21	The Vanguard Group, Inc.	BUY	250.77	Ordinary	144	144
11-Aug-21	The Vanguard Group, Inc.	BUY	250.58	Ordinary	144	144
11-Aug-21	The Vanguard Group, Inc.	BUY	250.58	Ordinary	46	46
13-Aug-21	The Vanguard Group, Inc.	BUY	250.35	Ordinary	336	336
13-Aug-21	The Vanguard Group, Inc.	BUY	250.35	Ordinary	525	525
13-Aug-21	The Vanguard Group, Inc.	BUY	250.35	Ordinary	252	252
13-Aug-21	The Vanguard Group, Inc.	BUY	250.35	Ordinary	378	378
16-Aug-21	The Vanguard Group, Inc.	BUY	250.83	Ordinary	296	296
16-Aug-21	The Vanguard Group, Inc.	BUY	250.83	Ordinary	740	740
17-Aug-21	The Vanguard Group, Inc.	BUY	251.31	Ordinary	576	576
18-Aug-21	The Vanguard Group, Inc.	BUY	253.99	Ordinary	565	565
18-Aug-21	The Vanguard Group, Inc.	BUY	251.85	Ordinary	693	693
18-Aug-21	The Vanguard Group, Inc.	BUY	251.85	Ordinary	92	92
19-Aug-21	The Vanguard Group, Inc.	BUY	256.09	Ordinary	72	72
19-Aug-21	The Vanguard Group, Inc.	BUY	257.63	Ordinary	610	610
19-Aug-21	The Vanguard Group, Inc.	BUY	257.63	Ordinary	69	69
20-Aug-21	The Vanguard Group, Inc.	BUY	237.05	Ordinary	269	269
20-Aug-21	The Vanguard Group, Inc.	BUY	238.08	Ordinary	370	370
20-Aug-21	The Vanguard Group, Inc.	BUY	237.05	Ordinary	1,678	1,678
23-Aug-21	The Vanguard Group, Inc.	BUY	241.50	Ordinary	144	144
23-Aug-21	The Vanguard Group, Inc.	BUY	241.50	Ordinary	296	296
23-Aug-21	The Vanguard Group, Inc.	BUY	241.50	Ordinary	444	444
23-Aug-21	The Vanguard Group, Inc.	BUY	241.50	Ordinary	244	244
23-Aug-21	The Vanguard Group, Inc.	BUY	241.50	Ordinary	366	366
23-Aug-21	The Vanguard Group, Inc.	BUY	241.50	Ordinary	315	315
23-Aug-21	The Vanguard Group, Inc.	BUY	241.50	Ordinary	315	315
23-Aug-21	The Vanguard Group, Inc.	BUY	241.50	Ordinary	46	46
25-Aug-21	The Vanguard Group, Inc.	BUY	228.80	Ordinary	252	252
25-Aug-21	The Vanguard Group, Inc.	SELL	238.00	Ordinary	(17)	(17)
25-Aug-21	The Vanguard Group, Inc.	BUY	237.01	Ordinary	1,150	1,150

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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
26-Aug-21	The Vanguard Group, Inc.	BUY	228.71	Ordinary	2,336	2,336
27-Aug-21	The Vanguard Group, Inc.	BUY	227.06	Ordinary	144	144
27-Aug-21	The Vanguard Group, Inc.	BUY	227.06	Ordinary	240	240
27-Aug-21	The Vanguard Group, Inc.	BUY	227.06	Ordinary	296	296
27-Aug-21	The Vanguard Group, Inc.	BUY	227.06	Ordinary	315	315
30-Aug-21	The Vanguard Group, Inc.	BUY	227.35	Ordinary	2,810	2,810
30-Aug-21	The Vanguard Group, Inc.	BUY	227.35	Ordinary	1,702	1,702
31-Aug-21	The Vanguard Group, Inc.	BUY	233.20	Ordinary	1,664	1,664
31-Aug-21	The Vanguard Group, Inc.	SELL	233.23	Ordinary	(1,718)	(1,718)
1-Sep-21	The Vanguard Group, Inc.	BUY	231.30	Ordinary	616	616
3-Sep-21	The Vanguard Group, Inc.	BUY	237.36	Ordinary	161	161
3-Sep-21	The Vanguard Group, Inc.	SELL	235.13	Ordinary	(3,425)	(3,425)
3-Sep-21	The Vanguard Group, Inc.	BUY	236.80	Ordinary	212	212
3-Sep-21	The Vanguard Group, Inc.	BUY	236.80	Ordinary	46	46
7-Sep-21	The Vanguard Group, Inc.	BUY	243.69	Ordinary	959	959
7-Sep-21	The Vanguard Group, Inc.	BUY	242.08	Ordinary	1,949	1,949
8-Sep-21	The Vanguard Group, Inc.	BUY	239.24	Ordinary	593	593
10-Sep-21	The Vanguard Group, Inc.	BUY	232.72	Ordinary	594	594
13-Sep-21	The Vanguard Group, Inc.	SELL	231.20	Ordinary	(363)	(363)
15-Sep-21	The Vanguard Group, Inc.	BUY	235.77	Ordinary	69	69
15-Sep-21	The Vanguard Group, Inc.	BUY	235.77	Ordinary	92	92
17-Sep-21	The Vanguard Group, Inc.	SELL	238.19	Ordinary	(318)	(318)
17-Sep-21	The Vanguard Group, Inc.	SELL	238.28	Ordinary	(618)	(618)
17-Sep-21	The Vanguard Group, Inc.	SELL	238.19	Ordinary	(3,440)	(3,440)
17-Sep-21	The Vanguard Group, Inc.	SELL	238.19	Ordinary	(2,991)	(2,991)
17-Sep-21	The Vanguard Group, Inc.	SELL	238.19	Ordinary	(2,223)	(2,223)
17-Sep-21	The Vanguard Group, Inc.	BUY	236.98	Ordinary	69	69
17-Sep-21	The Vanguard Group, Inc.	SELL	238.19	Ordinary	(2,670)	(2,670)
21-Sep-21	The Vanguard Group, Inc.	BUY	236.48	Ordinary	82	82
23-Sep-21	The Vanguard Group, Inc.	BUY	237.04	Ordinary	43	43
23-Sep-21	The Vanguard Group, Inc.	BUY	237.18	Ordinary	468	468
24-Sep-21	The Vanguard Group, Inc.	BUY	225.73	Ordinary	92	92
24-Sep-21	The Vanguard Group, Inc.	BUY	225.73	Ordinary	1,282	1,282
24-Sep-21	The Vanguard Group, Inc.	BUY	225.66	Ordinary	116	116
24-Sep-21	The Vanguard Group, Inc.	BUY	225.73	Ordinary	1,383	1,383
27-Sep-21	The Vanguard Group, Inc.	BUY	225.24	Ordinary	87	87
28-Sep-21	The Vanguard Group, Inc.	SELL	219.88	Ordinary	(21)	(21)
28-Sep-21	The Vanguard Group, Inc.	BUY	217.78	Ordinary	264	264
28-Sep-21	The Vanguard Group, Inc.	BUY	222.65	Ordinary	1,992	1,992
29-Sep-21	The Vanguard Group, Inc.	BUY	220.12	Ordinary	325	325
30-Sep-21	The Vanguard Group, Inc.	BUY	216.42	Ordinary	1,248	1,248
30-Sep-21	The Vanguard Group, Inc.	BUY	220.39	Ordinary	4,198	4,198
1-Oct-21	The Vanguard Group, Inc.	BUY	219.50	Ordinary	100	100
1-Oct-21	The Vanguard Group, Inc.	BUY	220.15	Ordinary	144	144
4-Oct-21	The Vanguard Group, Inc.	BUY	220.20	Ordinary	96	96
4-Oct-21	The Vanguard Group, Inc.	BUY	220.20	Ordinary	1,065	1,065
5-Oct-21	The Vanguard Group, Inc.	BUY	214.65	Ordinary	45	45
5-Oct-21	The Vanguard Group, Inc.	SELL	214.65	Ordinary	(2,149)	(2,149)
5-Oct-21	The Vanguard Group, Inc.	BUY	215.72	Ordinary	87	87
6-Oct-21	The Vanguard Group, Inc.	BUY	213.96	Ordinary	58	58
6-Oct-21	The Vanguard Group, Inc.	SELL	214.61	Ordinary	(32)	(32)
7-Oct-21	The Vanguard Group, Inc.	SELL	218.69	Ordinary	(635)	(635)
7-Oct-21	The Vanguard Group, Inc.	BUY	219.30	Ordinary	116	116
8-Oct-21	The Vanguard Group, Inc.	BUY	220.17	Ordinary	455	455
8-Oct-21	The Vanguard Group, Inc.	BUY	220.17	Ordinary	468	468
8-Oct-21	The Vanguard Group, Inc.	BUY	220.17	Ordinary	145	145
11-Oct-21	The Vanguard Group, Inc.	BUY	214.09	Ordinary	44	44
11-Oct-21	The Vanguard Group, Inc.	BUY	213.00	Ordinary	192	192
12-Oct-21	The Vanguard Group, Inc.	BUY	213.29	Ordinary	195	195
12-Oct-21	The Vanguard Group, Inc.	BUY	213.29	Ordinary	87	87
13-Oct-21	The Vanguard Group, Inc.	BUY	212.80	Ordinary	53	53
13-Oct-21	The Vanguard Group, Inc.	BUY	213.14	Ordinary	192	192
13-Oct-21	The Vanguard Group, Inc.	BUY	213.14	Ordinary	312	312
13-Oct-21	The Vanguard Group, Inc.	BUY	213.14	Ordinary	624	624
13-Oct-21	The Vanguard Group, Inc.	BUY	213.14	Ordinary	315	315
13-Oct-21	The Vanguard Group, Inc.	BUY	213.14	Ordinary	116	116
15-Oct-21	The Vanguard Group, Inc.	BUY	217.63	Ordinary	144	144
15-Oct-21	The Vanguard Group, Inc.	SELL	218.53	Ordinary	(12)	(12)
19-Oct-21	The Vanguard Group, Inc.	BUY	220.27	Ordinary	87	87

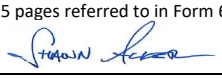
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Date of change	Person whose relevant interest changed	Nature of Change(6)	Consideration given in relation to change(7)	Class	Number of securities affected	Person's votes affected
19-Oct-21	The Vanguard Group, Inc.	BUY	220.27	Ordinary	315	315
18-Jun-21	Vanguard Investments Australia Ltd.	SELL	246.91	Ordinary	(163)	(163)
22-Jun-21	Vanguard Investments Australia Ltd.	BUY	246.85	Ordinary	236	236
22-Jun-21	Vanguard Investments Australia Ltd.	BUY	246.85	Ordinary	590	590
23-Jun-21	Vanguard Investments Australia Ltd.	INSPECIE	247.30	Ordinary	(114,863)	(114,863)
23-Jun-21	Vanguard Investments Australia Ltd.	INSPECIE	247.30	Ordinary	(55,300)	(55,300)
23-Jun-21	Vanguard Investments Australia Ltd.	INSPECIE	247.30	Ordinary	(47,184)	(47,184)
23-Jun-21	Vanguard Investments Australia Ltd.	BUY	247.30	Ordinary	96	96
24-Jun-21	Vanguard Investments Australia Ltd.	BUY	244.95	Ordinary	96	96
24-Jun-21	Vanguard Investments Australia Ltd.	BUY	244.95	Ordinary	298	298
28-Jun-21	Vanguard Investments Australia Ltd.	SELL	249.88	Ordinary	(707)	(707)
29-Jun-21	Vanguard Investments Australia Ltd.	BUY	251.25	Ordinary	708	708
30-Jun-21	Vanguard Investments Australia Ltd.	SELL	251.67	Ordinary	(1,814)	(1,814)
1-Jul-21	Vanguard Investments Australia Ltd.	BUY	245.43	Ordinary	173	173
2-Jul-21	Vanguard Investments Australia Ltd.	BUY	244.28	Ordinary	295	295
2-Jul-21	Vanguard Investments Australia Ltd.	BUY	244.28	Ordinary	144	144
6-Jul-21	Vanguard Investments Australia Ltd.	BUY	234.75	Ordinary	1,705	1,705
7-Jul-21	Vanguard Investments Australia Ltd.	BUY	244.74	Ordinary	826	826
9-Jul-21	Vanguard Investments Australia Ltd.	BUY	243.26	Ordinary	1,003	1,003
9-Jul-21	Vanguard Investments Australia Ltd.	BUY	243.26	Ordinary	826	826
9-Jul-21	Vanguard Investments Australia Ltd.	BUY	243.26	Ordinary	2,573	2,573
12-Jul-21	Vanguard Investments Australia Ltd.	BUY	241.85	Ordinary	94	94
12-Jul-21	Vanguard Investments Australia Ltd.	BUY	241.85	Ordinary	353	353
13-Jul-21	Vanguard Investments Australia Ltd.	BUY	240.19	Ordinary	192	192
13-Jul-21	Vanguard Investments Australia Ltd.	BUY	240.19	Ordinary	384	384
15-Jul-21	Vanguard Investments Australia Ltd.	BUY	239.93	Ordinary	3,810	3,810
15-Jul-21	Vanguard Investments Australia Ltd.	BUY	239.93	Ordinary	1,747	1,747
19-Jul-21	Vanguard Investments Australia Ltd.	BUY	241.32	Ordinary	295	295
20-Jul-21	Vanguard Investments Australia Ltd.	SELL	241.11	Ordinary	(136)	(136)
20-Jul-21	Vanguard Investments Australia Ltd.	BUY	241.11	Ordinary	708	708
20-Jul-21	Vanguard Investments Australia Ltd.	BUY	241.11	Ordinary	51	51
22-Jul-21	Vanguard Investments Australia Ltd.	BUY	244.60	Ordinary	3,605	3,605
22-Jul-21	Vanguard Investments Australia Ltd.	BUY	244.60	Ordinary	326	326
23-Jul-21	Vanguard Investments Australia Ltd.	BUY	246.07	Ordinary	708	708
26-Jul-21	Vanguard Investments Australia Ltd.	SELL	247.91	Ordinary	(596)	(596)
27-Jul-21	Vanguard Investments Australia Ltd.	INSPECIE	243.20	Ordinary	(57,056)	(57,056)
29-Jul-21	Vanguard Investments Australia Ltd.	BUY	247.64	Ordinary	48	48
30-Jul-21	Vanguard Investments Australia Ltd.	BUY	245.33	Ordinary	64	64
3-Aug-21	Vanguard Investments Australia Ltd.	BUY	249.20	Ordinary	93	93
3-Aug-21	Vanguard Investments Australia Ltd.	BUY	249.20	Ordinary	826	826
5-Aug-21	Vanguard Investments Australia Ltd.	BUY	248.38	Ordinary	144	144
6-Aug-21	Vanguard Investments Australia Ltd.	BUY	249.26	Ordinary	98	98
6-Aug-21	Vanguard Investments Australia Ltd.	BUY	249.26	Ordinary	1,130	1,130
6-Aug-21	Vanguard Investments Australia Ltd.	BUY	249.26	Ordinary	2,646	2,646
6-Aug-21	Vanguard Investments Australia Ltd.	BUY	249.26	Ordinary	192	192
9-Aug-21	Vanguard Investments Australia Ltd.	BUY	252.76	Ordinary	708	708
10-Aug-21	Vanguard Investments Australia Ltd.	BUY	252.43	Ordinary	86	86
11-Aug-21	Vanguard Investments Australia Ltd.	SELL	250.77	Ordinary	(422)	(422)
12-Aug-21	Vanguard Investments Australia Ltd.	SELL	246.84	Ordinary	(144)	(144)
16-Aug-21	Vanguard Investments Australia Ltd.	BUY	249.86	Ordinary	1,180	1,180
18-Aug-21	Vanguard Investments Australia Ltd.	BUY	253.99	Ordinary	1,180	1,180
18-Aug-21	Vanguard Investments Australia Ltd.	BUY	253.99	Ordinary	472	472
18-Aug-21	Vanguard Investments Australia Ltd.	BUY	253.99	Ordinary	144	144
18-Aug-21	Vanguard Investments Australia Ltd.	BUY	253.99	Ordinary	176	176
19-Aug-21	Vanguard Investments Australia Ltd.	BUY	256.09	Ordinary	767	767
20-Aug-21	Vanguard Investments Australia Ltd.	BUY	237.05	Ordinary	295	295
20-Aug-21	Vanguard Investments Australia Ltd.	BUY	237.05	Ordinary	2,645	2,645
23-Aug-21	Vanguard Investments Australia Ltd.	BUY	241.55	Ordinary	96	96
23-Aug-21	Vanguard Investments Australia Ltd.	BUY	241.55	Ordinary	54	54
25-Aug-21	Vanguard Investments Australia Ltd.	SELL	229.22	Ordinary	(253)	(253)
25-Aug-21	Vanguard Investments Australia Ltd.	BUY	229.22	Ordinary	767	767
25-Aug-21	Vanguard Investments Australia Ltd.	BUY	229.22	Ordinary	133	133
26-Aug-21	Vanguard Investments Australia Ltd.	BUY	228.29	Ordinary	590	590
30-Aug-21	Vanguard Investments Australia Ltd.	BUY	228.76	Ordinary	840	840
30-Aug-21	Vanguard Investments Australia Ltd.	BUY	228.76	Ordinary	144	144
1-Sep-21	Vanguard Investments Australia Ltd.	BUY	231.30	Ordinary	72	72
2-Sep-21	Vanguard Investments Australia Ltd.	BUY	232.54	Ordinary	944	944
2-Sep-21	Vanguard Investments Australia Ltd.	BUY	232.54	Ordinary	4,326	4,326
2-Sep-21	Vanguard Investments Australia Ltd.	BUY	232.54	Ordinary	144	144

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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
3-Sep-21	Vanguard Investments Australia Ltd.	BUY	237.36	Ordinary	192	192
6-Sep-21	Vanguard Investments Australia Ltd.	BUY	238.89	Ordinary	720	720
8-Sep-21	Vanguard Investments Australia Ltd.	BUY	239.24	Ordinary	1,760	1,760
9-Sep-21	Vanguard Investments Australia Ltd.	BUY	236.72	Ordinary	840	840
9-Sep-21	Vanguard Investments Australia Ltd.	BUY	236.72	Ordinary	1,011	1,011
9-Sep-21	Vanguard Investments Australia Ltd.	BUY	236.72	Ordinary	118	118
10-Sep-21	Vanguard Investments Australia Ltd.	BUY	232.72	Ordinary	264	264
15-Sep-21	Vanguard Investments Australia Ltd.	SELL	234.72	Ordinary	(204)	(204)
15-Sep-21	Vanguard Investments Australia Ltd.	BUY	234.72	Ordinary	720	720
17-Sep-21	Vanguard Investments Australia Ltd.	SELL	238.19	Ordinary	(159)	(159)
17-Sep-21	Vanguard Investments Australia Ltd.	BUY	238.28	Ordinary	522	522
17-Sep-21	Vanguard Investments Australia Ltd.	BUY	238.28	Ordinary	192	192
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	234.87	Ordinary	826	826
20-Sep-21	Vanguard Investments Australia Ltd.	BUY	234.87	Ordinary	196	196
22-Sep-21	Vanguard Investments Australia Ltd.	BUY	236.03	Ordinary	98	98
22-Sep-21	Vanguard Investments Australia Ltd.	BUY	236.03	Ordinary	68	68
23-Sep-21	Vanguard Investments Australia Ltd.	BUY	237.04	Ordinary	1,003	1,003
24-Sep-21	Vanguard Investments Australia Ltd.	BUY	225.73	Ordinary	322	322
27-Sep-21	Vanguard Investments Australia Ltd.	BUY	226.66	Ordinary	490	490
28-Sep-21	Vanguard Investments Australia Ltd.	BUY	219.88	Ordinary	708	708
29-Sep-21	Vanguard Investments Australia Ltd.	BUY	218.99	Ordinary	295	295
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	218.82	Ordinary	928	928
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	218.82	Ordinary	870	870
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	218.82	Ordinary	240	240
1-Oct-21	Vanguard Investments Australia Ltd.	BUY	218.82	Ordinary	192	192
4-Oct-21	Vanguard Investments Australia Ltd.	BUY	220.20	Ordinary	290	290
5-Oct-21	Vanguard Investments Australia Ltd.	BUY	214.65	Ordinary	384	384
8-Oct-21	Vanguard Investments Australia Ltd.	BUY	220.47	Ordinary	170	170
8-Oct-21	Vanguard Investments Australia Ltd.	BUY	220.47	Ordinary	928	928
11-Oct-21	Vanguard Investments Australia Ltd.	BUY	214.09	Ordinary	240	240
12-Oct-21	Vanguard Investments Australia Ltd.	BUY	213.13	Ordinary	433	433
12-Oct-21	Vanguard Investments Australia Ltd.	BUY	213.13	Ordinary	149	149
12-Oct-21	Vanguard Investments Australia Ltd.	BUY	213.13	Ordinary	336	336
14-Oct-21	Vanguard Investments Australia Ltd.	BUY	215.41	Ordinary	76	76
15-Oct-21	Vanguard Investments Australia Ltd.	BUY	216.88	Ordinary	754	754
18-Oct-21	Vanguard Investments Australia Ltd.	SELL	215.24	Ordinary	(381)	(381)
18-Oct-21	Vanguard Investments Australia Ltd.	SELL	215.24	Ordinary	(865)	(865)
18-Oct-21	Vanguard Investments Australia Ltd.	BUY	215.24	Ordinary	192	192
19-Oct-21	Vanguard Investments Australia Ltd.	BUY	219.29	Ordinary	192	192

This is Annexure A of 5 pages referred to in Form 603, Notice of initial substantial holder.

Signature: 

Name: Shawn Acker

Capacity: Compliance Manager

Date: 21 October 2021

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