

Form 603

Corporations Act 2001

Section 671B

Notice of initial substantial holder

To Company Name/Scheme Bravura Solutions LTD BVS
Level 6, 345 George Street
SYDNEY NSW 2000

ACN/ARSN 164 391 128

1. Details of substantial holder (1)

Name THE NORTHERN TRUST COMPANY

ACN/ARSN (if applicable) Not Applicable

The holder became a substantial holder on 23/09/2020

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)
Fully paid ordinary shares	14,827,062	14,827,062	6.02%

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
The Northern Trust Company	Power to control the voting and/or disposal of securities pursuant to its position as an investment manager in accordance with investment mandates	Fully paid ordinary shares: 14,478,347
Northern Trust Global Services SE	Power to control the disposal of securities pursuant to securities lending agreements	Fully paid ordinary shares: 29,788
Northern Trust Investments, Inc	Power to control the voting and/or disposal of securities pursuant to its position as an investment manager in accordance with investment mandates	Fully paid ordinary shares : 305,761
Northern Trust Global Investments Limited	Power to control the voting and/or disposal of securities pursuant to its position as an investment manager in accordance with investment mandates	Fully paid ordinary shares : 13,166

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
The Northern Trust Company	Unknown – lent securities / collateral securities	Unknown lent securities / collateral	Fully paid ordinary shares: 14,478,347
Northern Trust Global Services SE	Unknown – lent securities / collateral securities	Unknown lent securities / collateral	Fully paid ordinary shares: 29,788
Northern Trust Investments, Inc	BNY Mellon; JP Morgan Chase; Northern Trust	Investment management client(s)	Fully paid ordinary shares : 305,761
Northern Trust Global Investments Limited	Northern Trust; State Street	Investment management client(s)	Fully paid ordinary shares : 13,166

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
		Cash	Non-cash	
The Northern Trust Company	23/05/2020 to 23/09/2020 – Securities Lending	No consideration directly referable to the securities for which The Northern Trust Company acts as Securities Lending agent.		Refer to Appendices 1 and 2
Northern Trust Investments, Inc	15/07/2020 to 31/08/2020	Refer to Appendix 2		Refer to Appendix 2

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
The Northern Trust Company	Subsidiary of Northern Trust Corporation
Northern Trust Global Services SE	Subsidiary of Northern Trust Corporation
Northern Trust Investments, Inc	Subsidiary of Northern Trust Corporation
Northern Trust Global Investments Limited	Subsidiary of Northern Trust Corporation

7. Addressee

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

Name	Address
The Northern Trust Company	50 LaSalle Street, Chicago, IL 60603
Northern Trust Global Services SE	6 rue Lou Hemmer Senningerberg, 1748 Grand-Duché de Luxembourg, Luxembourg
Northern Trust Investments, Inc	50 S LaSalle St, Chicago, IL 60603
Northern Trust Global Investments Limited	50 Bank Street, Canary Wharf, London E14 5NT

Signature

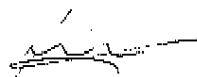
print name

Angelo Calvitto

capacity

Senior Vice President

sign here



date

28/09/2020

DIRECTIONS

- (1) If there are a number of substantial holders with similar or related relevant interests (e.g. 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 (e.g. if the relevant interest arises because of an option) write "unknown".
- (9) 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.

Name The Northern Trust Company

ACN/ARSN (if applicable) Not applicable

This is Appendix 1 of 2 referred to in Form 603 Notice of initial substantial holder

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Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & UBS AG (Borrower)
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & J.P. MORGAN SECURITIES PLC (Borrower)
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & BARCLAYS CAPITAL SECURITIES LTD (Borrower)
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Name The Northern Trust Company

ACN/ARSN (if applicable) Not applicable

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Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & UBS SECURITIES AUSTRALIA LTD
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & Morgan Stanley & co International PLC
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & CREDIT SUISSE AG, DUBLIN BRANCH
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Name The Northern Trust Company

ACN/ARSN (if applicable) Not applicable

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Type of Agreement	Global Master Securities Lending Agreement 2010
Parties to Agreement	The Northern Trust Company (Lender) & CREDIT SUISSE EQUITIES AUSTRALIA LIMITED
Transfer Date	Refer to Appendix 2
Holder of Voting Rights	Borrower
Are there any restrictions on voting rights? (yes/no, if yes detail)	No
Schedule return date (if any)	NA
Does the borrower have the right to return early? (yes/no, if yes detail)	Yes, the borrower may return borrowed securities upon giving notice
Does the lender have the right to recall? (yes/no, if yes detail)	Yes, the lender may recall lent securities upon giving notice
Will the securities be returned on settlement? (yes/no, if yes detail any exceptions)	On recall of the securities loan by the securities lender

Signature

print name Angelo Calvitto capacity Senior Vice President

sign here



date

28/09/2020

This is Appendix 2 of 6 pages referred to in
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Name : The Northern Trust Company
ACN/ARSN : Not applicable

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Securities Lending

Date	Legal Entity	Borrower	Transaction	Nominal
Monday, May 25, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral in	28,537
Monday, May 25, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	234,515
Tuesday, May 26, 2020	The Northern Trust Company	MORGAN STANLEY & CO. INTERNATIONAL PLC	Loan	175122
Tuesday, May 26, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral in	173,463
Tuesday, May 26, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	50,511
Wednesday, May 27, 2020	The Northern Trust Company	MORGAN STANLEY & CO. INTERNATIONAL PLC	Returns	54332
Wednesday, May 27, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	116,153
Thursday, May 28, 2020	The Northern Trust Company	MORGAN STANLEY & CO. INTERNATIONAL PLC	Loan	108560
Thursday, May 28, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(268,893)
Friday, May 29, 2020	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Returns	8146
Friday, May 29, 2020	The Northern Trust Company	MORGAN STANLEY & CO. INTERNATIONAL PLC	Returns	138223
Friday, May 29, 2020	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Returns	39474
Friday, May 29, 2020	The Northern Trust Company	MORGAN STANLEY & CO. INTERNATIONAL PLC	Returns	517597
Friday, May 29, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(137,796)
Monday, June 1, 2020	The Northern Trust Company	MORGAN STANLEY & CO. INTERNATIONAL PLC	Returns	109560
Monday, June 1, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(166,916)
Tuesday, June 2, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral in	137,000
Tuesday, June 2, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	411,564
Wednesday, June 3, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral out	(62,000)
Wednesday, June 3, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(112,879)
Thursday, June 4, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(114,682)
Friday, June 5, 2020	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Returns	48860
Friday, June 5, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	149,159
Tuesday, June 9, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(2)
Wednesday, June 10, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral out	(376,000)
Wednesday, June 10, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	118,448
Friday, June 12, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(179,685)
Monday, June 15, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(52,627)
Tuesday, June 16, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral in	376,000
Tuesday, June 16, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(2)
Wednesday, June 17, 2020	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral in	5,694

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ACN/ARSN : Not applicable

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Securities Lending

Wednesday, June 17, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(137,040)
Thursday, June 18, 2020	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral in	4,182,480
Thursday, June 18, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	38,359
Friday, June 19, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(5,897)
Monday, June 22, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(412,508)
Tuesday, June 23, 2020	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral in	95,268
Tuesday, June 23, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(97,231)
Wednesday, June 24, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(3,079)
Thursday, June 25, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(1,288)
Friday, June 26, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral in	109,222
Friday, June 26, 2020	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral out	(7,613)
Friday, June 26, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(42,618)
Monday, June 29, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral out	(12,222)
Monday, June 29, 2020	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral out	(87,655)
Monday, June 29, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(61,678)
Tuesday, June 30, 2020	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral out	(1,000,000)
Tuesday, June 30, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(145,932)
Wednesday, July 1, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	108,280
Friday, July 3, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	31,974
Monday, July 6, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(3)
Tuesday, July 7, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	15,673
Wednesday, July 8, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	272,119
Thursday, July 9, 2020	The Northern Trust Company	CREDIT SUISSE EQUITIES AUSTRALIA LIMITED	Loan	54666
Thursday, July 9, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(4)
Friday, July 10, 2020	The Northern Trust Company	CREDIT SUISSE EQUITIES AUSTRALIA LIMITED	Returns	54666
Friday, July 10, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	28,706
Monday, July 13, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(1)
Tuesday, July 14, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	15,150
Wednesday, July 15, 2020	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	8146
Wednesday, July 15, 2020	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	40242
Wednesday, July 15, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(1)
Thursday, July 16, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(37,706)
Friday, July 17, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral out	(473,000)

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ACN/ARSN : Not applicable

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Securities Lending

Friday, July 17, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(4)
Monday, July 20, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral in	471,402
Monday, July 20, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(83,001)
Tuesday, July 21, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(1)
Wednesday, July 22, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral out	(471,402)
Wednesday, July 22, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	91,395
Thursday, July 23, 2020	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	45455
Thursday, July 23, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	350,094
Friday, July 24, 2020	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Returns	8146
Friday, July 24, 2020	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Returns	40242
Friday, July 24, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(34,841)
Monday, July 27, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(89,650)
Tuesday, July 28, 2020	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral out	(27,519)
Tuesday, July 28, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	11,688
Wednesday, July 29, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	66,463
Thursday, July 30, 2020	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral out	(1,809)
Friday, July 31, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(50,001)
Monday, August 3, 2020	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral out	(5,298)
Tuesday, August 4, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral in	179,850
Tuesday, August 4, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	148,762
Wednesday, August 5, 2020	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	8146
Wednesday, August 5, 2020	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	49602
Wednesday, August 5, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral out	(69,850)
Wednesday, August 5, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(1)
Thursday, August 6, 2020	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	50000
Thursday, August 6, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(2)
Friday, August 7, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	19,484
Monday, August 10, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	137,145
Tuesday, August 11, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	126,567
Wednesday, August 12, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	10,843
Thursday, August 13, 2020	The Northern Trust Company	CREDIT SUISSE EQUITIES AU	Collateral in	257,573
Thursday, August 13, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral out	(30,000)
Thursday, August 13, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	94,784

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Name : The Northern Trust Company
ACN/ARSN : Not applicable

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Securities Lending

Friday, August 14, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	40,855
Monday, August 17, 2020	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Loan	50506
Monday, August 17, 2020	The Northern Trust Company	CREDIT SUISSE EQUITIES AU	Collateral out	(4)
Monday, August 17, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	25,558
Tuesday, August 18, 2020	The Northern Trust Company	CREDIT SUISSE EQUITIES AU	Collateral out	(2)
Wednesday, August 19, 2020	The Northern Trust Company	CREDIT SUISSE EQUITIES AU	Collateral out	(1)
Wednesday, August 19, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(1)
Thursday, August 20, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PLC	Loan	100000
Thursday, August 20, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral out	(80,000)
Thursday, August 20, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	15,292
Friday, August 21, 2020	The Northern Trust Company	CREDIT SUISSE AG, DUBLIN BRANCH	Loan	193692
Friday, August 21, 2020	The Northern Trust Company	CREDIT SUISSE AG, DUBLIN BRANCH	Loan	1191308
Friday, August 21, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(233)
Monday, August 24, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	253
Tuesday, August 25, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PLC	Loan	80000
Tuesday, August 25, 2020	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral out	(8)
Tuesday, August 25, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(1)
Wednesday, August 26, 2020	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral in	2
Wednesday, August 26, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	127,041
Thursday, August 27, 2020	The Northern Trust Company	CREDIT SUISSE AG, DUBLIN BRANCH	Loan	24103
Thursday, August 27, 2020	The Northern Trust Company	CREDIT SUISSE AG, DUBLIN BRANCH	Loan	19697
Thursday, August 27, 2020	The Northern Trust Company	CREDIT SUISSE EQUITIES AU	Collateral out	(1)
Thursday, August 27, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral in	169,000
Thursday, August 27, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	131,543
Friday, August 28, 2020	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Returns	8148
Friday, August 28, 2020	The Northern Trust Company	BARCLAYS CAPITAL SECURITIES LTD.	Returns	194563
Friday, August 28, 2020	The Northern Trust Company	CREDIT SUISSE EQUITIES AU	Collateral out	(1)
Friday, August 28, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral out	(169,000)
Friday, August 28, 2020	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral in	59,059
Friday, August 28, 2020	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral out	(2)
Friday, August 28, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(2)
Monday, August 31, 2020	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral out	(4)
Monday, August 31, 2020	The Northern Trust Company	UBS AG, LONDON BRANCH	Collateral out	(3,153,740)

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Name : The Northern Trust Company
ACN/ARSN : Not applicable

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Securities Lending

Monday, August 31, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral out	(5,832,335)
Tuesday, September 1, 2020	The Northern Trust Company	CREDIT SUISSE EQUITIES AU	Collateral out	(59,880)
Tuesday, September 1, 2020	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral out	(59,065)
Wednesday, September 2, 2020	The Northern Trust Company	CREDIT SUISSE EQUITIES AU	Collateral out	(76,191)
Thursday, September 3, 2020	The Northern Trust Company	CREDIT SUISSE EQUITIES AU	Collateral out	(1,249)
Friday, September 4, 2020	The Northern Trust Company	CREDIT SUISSE EQUITIES AU	Collateral out	(1)
Monday, September 7, 2020	The Northern Trust Company	CREDIT SUISSE EQUITIES AU	Collateral out	(120,243)
Wednesday, September 9, 2020	The Northern Trust Company	CREDIT SUISSE AG, DUBLIN BRANCH	Returns	217795
Wednesday, September 9, 2020	The Northern Trust Company	CREDIT SUISSE AG, DUBLIN BRANCH	Returns	1211205
Wednesday, September 9, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PLC	Returns	180000
Wednesday, September 9, 2020	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral in	1
Thursday, September 10, 2020	The Northern Trust Company	CREDIT SUISSE AG, DUBLIN	Collateral in	45,517
Thursday, September 10, 2020	The Northern Trust Company	MORGAN STANLEY & CO. INTE	Collateral out	(1)
Tuesday, September 15, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral in	260,000
Thursday, September 17, 2020	The Northern Trust Company	J.P. MORGAN SECURITIES PL	Collateral out	(20,000)
Friday, September 18, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	5,205,905
Monday, September 21, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	2,981,680
Tuesday, September 22, 2020	The Northern Trust Company	CREDIT SUISSE AG, DUBLIN	Collateral out	(45,517)
Tuesday, September 22, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	324,656
Wednesday, September 23, 2020	The Northern Trust Company	CREDIT SUISSE EQUITIES AU	Collateral in	3,000,000
Wednesday, September 23, 2020	The Northern Trust Company	UBS SECURITIES AUSTRALIA	Collateral in	60,586

This is Appendix 2 of 6 pages referred to in
Form 603 Notice of Initial substantial holder

Name : The Northern Trust Company
ACN/ARSN : Not applicable

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NTAM

TRADE_DATE	Legal Entity	Ccy	Type of Transaction	Quantity	Price	Consideration
Wednesday, July 15, 2020	Northern Trust Investments, Inc.	AUD	BUY/REC	12,820	4.4	56,032.80
Monday, August 24, 2020	Northern Trust Investments, Inc.	AUD	SELL	309	4.4	1,359.06
Monday, August 31, 2020	Northern Trust Investments, Inc.	AUD	SELL	236	3.6702	866.17

Signature

print name Angelo Calvitta capacity Senior Vice President

sign here  date 28/09/2020