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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JODY AKANA	06/29/2020
MOLLY ANDERSON	06/30/2020
BARTLEY K. ANDRE	08/24/2020
SHOTA AOYAGI	06/30/2020
ANTHONY MICHAEL ASHCROFT	07/01/2020
MARINE C. BATAILLE	07/01/2020
JEREMY BATAILLOU	08/12/2020
TRENT J. CANALES	07/21/2020
ABIDUR RAHMAN CHOWDHURY	07/07/2020
CLARA GENEVIEVE MARINE COURTAIGNE	07/27/2020
MARKUS DIEBEL	07/01/2020
RICHARD HUNG MINH DINH	08/06/2020
MICHAEL WALTER FIRKA	07/09/2020
JONATHAN GOMEZ GARCIA	07/07/2020
M. EVANS HANKEY	08/18/2020
JULIAN HOENIG	07/19/2020
RICHARD P. HOWARTH	08/25/2020
JONATHAN P. IVE	07/15/2020
JULIAN JAEDE	08/07/2020
DUNCAN ROBERT KERR	07/01/2020
BENJAMIN J. POPE	07/17/2020
PETER RUSSELL-CLARKE	07/01/2020
BENJAMIN ANDREW SHAFFER	07/02/2020
SUNG-HO TAN	07/27/2020
CLEMENT TISSANDIER	07/02/2020
EUGENE ANTONY WHANG	08/12/2020
RICO ZORKENDORFER	07/08/2020

RECEIVING PARTY DATA

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Street Address:	ONE APPLE PARK WAY

City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29714471

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	3607.4310000(P44754US1)
NAME OF SUBMITTER:	CHARLES D. HAMMOND
SIGNATURE: /Charles D. Hammond #73,287/	
DATE SIGNED:	10/13/2020

Total Attachments: 54

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Appl. No. 29/714,471 Atty. Docket No. 3607.4310000(P44754US1)

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Trent J. CANALES, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Richard Hung Minh DINH, Michael Walter FIRKA, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Benjamin J. POPE, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Sung-Ho TAN, Clement TISSANDIER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

- (a) in the invention(s) known as **HOUSING MODULE FOR AN ELECTRONIC DEVICE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of November 22, 2019 (also known as United States Application No. 29/714,471), in any and all applications thereon, in any and all Letters Patent(s) therefor, and
- (b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.

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The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.



Appl. No. 29/714,471 Atty. Docket No. 3607.4310000(P44754US1)

	Date:	Signature of Inventor:	Name:
1.	29-Jun-2020 ———	fyl.ghm /	_ Jody AKANA
2.		<u>V</u>	Molly ANDERSON
3.		X.	Bartley K. ANDRE
4.		N.	Shota AOYAGI
5.		<u> V</u>	Anthony Michael ASHCROFT
6.		<u>N</u>	Marine C. BATAILLE
7.		<u> </u>	Jeremy BATAILLOU
8.		N.	Trent J. CANALES
9.		<u>N</u>	Abidur Rahman CHOWDHURY
10.		X.	Clara Geneviève Marine COURTAIGNE
11.		1	Markus DIEBEL
12.		\frac{1}{2}	Richard Hung Minh DINH
13.		<u> </u>	Michael Walter FIRKA
14.		<u>X</u>	Jonathan GOMEZ GARCIA
15.		1	M. Evans HANKEY
16.		\frac{1}{2}	Julian HOENIG
17.		<u> </u>	Richard P. HOWARTH
18.		X.	Jonathan P. IVE
19.		1	Julian JAEDE
20.		<u> </u>	Duncan Robert KERR
21.		<u></u>	Benjamin J. POPE
22.		<u> </u>	Peter RUSSELL-CLARKE
23.		1	Benjamin Andrew SHAFFER
24.		<u> </u>	Sung-Ho TAN
25.		<u>J</u>	Clement TISSANDIER
26.		<u> V</u>	Eugene Antony WHANG
27.		N.	Rico ZÖRKENDÖRFER



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	Date:	Signature of Inventor:	Name:
1.		4	Jody AKANA
2.	30-Jun-2020	Manderfor /	Molly ANDERSON
3.		1	Bartley K. ANDRE
4.		<u> 1</u>	Shota AOYAGI
5.		<u> </u>	Anthony Michael ASHCROFT
6.		1	Marine C. BATAILLE
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12.		<u>X</u>	Richard Hung Minh DINH
13.		∜	Michael Walter FIRKA
14.		¥.	Jonathan GOMEZ GARCIA
15.		<u> </u>	M. Evans HANKEY
16.		1	Julian HOENIG
17.		√	Richard P. HOWARTH
18.		<u> </u>	Jonathan P. IVE
19.		1	Julian JAEDE
20.		<u>, j</u>	Duncan Robert KERR
21.		1	Benjamin J. POPE
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23.		1	Benjamin Andrew SHAFFER
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25.		<u> </u>	Clement TISSANDIER
26.		4	Eugene Antony WHANG
27.		1	Rico ZÖRKENDÖRFER



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	Date:	Signature of Inventor:	Name:
1.		<u> </u>	Jody AKANA
2.		1	Molly ANDERSON
3.	24-Aug-2020	Bran	Bartley K. ANDRE
4.		1	Shota AOYAGI
5.		₫	Anthony Michael ASHCROFT
6.		4	Marine C. BATAILLE
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1.		<u> </u>	Jody AKANA
2.		<u>/</u>	Molly ANDERSON
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20.		<u> </u>	Duncan Robert KERR
21.		<u> </u>	Benjamin J. POPE
22.		<u> </u>	Peter RUSSELL-CLARKE
23.		1	Benjamin Andrew SHAFFER
24.		<u></u>	Sung-Ho TAN
25.		<u></u>	Clement TISSANDIER
26.		<u> </u>	Eugene Antony WHANG
27.		<u> </u>	Rico ZÖRKENDÖRFER



Appl. No. 29/714,471 Atty. Docket No. 3607.4310000(P44754US1)

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Trent J. CANALES, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Richard Hung Minh DINH, Michael Walter FIRKA, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Benjamin J. POPE, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Sung-Ho TAN, Clement TISSANDIER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

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IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.



Appl. No. 29/714,471 Atty. Docket No. 3607.4310000(P44754US1)

Date:	Signature of Inventor:	Name:
	4	Jody AKANA
	<u> </u>	Molly ANDERSON
	<u>,i</u>	Bartley K. ANDRE
	<u> 1</u>	Shota AOYAGI
01-Jul-2020	<u>, , , , , , , , , , , , , , , , , , , </u>	Anthony Michael ASHCROFT
	1	Marine C. BATAILLE
	<u> </u>	Jeremy BATAILLOU
	1	Trent J. CANALES
	<u>4</u>	Abidur Rahman CHOWDHURY
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	<u>N</u>	Sung-Ho TAN
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1.		<u> </u>	Jody AKANA
2.		1	Molly ANDERSON
3.		<u>;;</u>	Bartley K. ANDRE
4.		4	Shota AOYAGI
5.		4	Anthony Michael ASHCROFT
6.	01-Jul-2020 ———	Training /	Marine C. BATAILLE
7.		<u></u>	Jeremy BATAILLOU
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	Date:	Signature of Inventor:	Name:
1.		<u> </u>	Jody AKANA
2.		1	Molly ANDERSON
3.		<u>√</u>	Bartley K. ANDRE
4.		<u> 1</u>	Shota AOYAGI
5.		4	Anthony Michael ASHCROFT
6.		<u> V</u>	Marine C. BATAILLE
7.	12-Aug-2020	*************************************	Jeremy BATAILLOU
8.		∜	Trent J. CANALES
9.		√	Abidur Rahman CHOWDHURY
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23.		<u>V</u>	Benjamin Andrew SHAFFER
24.		<u>, /</u>	Sung-Ho TAN
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2.	<u>V</u>	Molly ANDERSON
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5	<u> </u>	Anthony Michael ASHCROFT
6.	<u>X</u>	Marine C. BATAILLE
7	<u> </u>	Jeremy BATAILLOU
8. <u>21-Jul-2020</u>	% 0-	/ Trent J. CANALES
9.	<u> </u>	Abidur Rahman CHOWDHURY
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12.	\\\.\\\.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Richard Hung Minh DINH
13.	X.	Michael Walter FIRKA
14	X	Jonathan GOMEZ GARCIA
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0.	\frac{1}{2}	Duncan Robert KERR
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7.		1	Jeremy BATAILLOU
8.		<u> </u>	Trent J. CANALES
9.	07-Jul-2020 ——	A STORY	Abidur Rahman CHOWDHURY
10,		<u> </u>	Clara Geneviève Marine COURTAIGNE
11.		<u> </u>	Markus DIEBEL
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Appl. No. 29/714,471 Atty. Docket No. 3607.4310000(P44754US1)

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For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Trent J. CANALES, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Richard Hung Minh DINH, Michael Walter FIRKA, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Benjamin J. POPE, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Sung-Ho TAN, Clement TISSANDIER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

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	Date:	Signature of Inventor:	Name:
1.		<u>4</u>	Jody AKANA
2.		1	Molly ANDERSON
3.		<u> </u>	Bartley K. ANDRE
4.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Shota AOYAGI
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8.		<u>::</u>	Trent J. CANALES
9.		<u> </u>	Abidur Rahman CHOWDHURY
10.	27-Jul-2020	(but apr	/ Clara Geneviève Marine COURTAIGNE
11.		<u> </u>	Markus DIEBEL
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25.			Clement TISSANDIER
26.		1	Eugene Antony WHANG
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2.		<u> 1</u>	Molly ANDERSON
3.		<u>N</u>	Bartley K. ANDRE
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11.		X.	Markus DIEBEL
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13.	09-Jul-2020	M.2~	Michael Walter FIRKA
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Appl. No. 29/714,471 Atty. Docket No. 3607.4310000(P44754US1)

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For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Trent J. CANALES, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Richard Hung Minh DINH, Michael Walter FIRKA, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Benjamin J. POPE, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Sung-Ho TAN, Clement TISSANDIER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

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- (b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
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	Date:	Signature of Inventor:	Name:
1.		<u> </u>	Jody AKANA
2.		1	Molly ANDERSON
3.		<u>;</u>	Bartley K. ANDRE
4.		1	Shota AOYAGI
5.		<u> </u>	Anthony Michael ASHCROFT
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13.		<u> </u>	Michael Walter FIRKA
14.		<u> V</u>	Jonathan GOMEZ GARCIA
15.	18-Aug-2020	y m	M. Evans HANKEY
16.		<u> V</u>	Julian HOENIG
17.		<u> </u>	Richard P. HOWARTH
18.		<u> </u>	Jonathan P. IVE
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24.		<u>√</u>	Sung-Ho TAN
25.		<u> </u>	
26.		√	F. Sans Asias Willand
27.		<u></u>	Rico ZÖRKENDÖRFER



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4.			Shota AOYAGI
5.		1	Anthony Michael ASHCROFT
6.		1	Marine C. BATAILLE
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14.		X.	Jonathan GOMEZ GARCIA
15.		<u>\{</u>	M. Evans HANKEY
16.	19-Jul-2020	the part of	Julian HOENIG
17.		<u> 1</u>	Richard P. HOWARTH
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17.	25-Aug-2020	d Honde	Richard P. HOWARTH
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2.		<u> </u>	Molly ANDERSON
3.		<u> </u>	Bartley K, ANDRE
4.	***************************************	<u> </u>	Shota AOYAGI
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07-Aug-2020	J pada /	Julian JAEDE
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Appl. No. 29/714,471 Atty. Docket No. 3607.4310000(P44754US1)

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For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Molly ANDERSON, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Marine C. BATAILLE, Jeremy BATAILLOU, Trent J. CANALES, Abidur Rahman CHOWDHURY, Clara Geneviève Marine COURTAIGNE, Markus DIEBEL, Richard Hung Minh DINH, Michael Walter FIRKA, Jonathan GOMEZ GARCIA, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Benjamin J. POPE, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Sung-Ho TAN, Clement TISSANDIER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is One Apple Park Way, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

- (a) in the invention(s) known as **HOUSING MODULE FOR AN ELECTRONIC DEVICE** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of November 22, 2019 (also known as United States Application No. 29/714,471), in any and all applications thereon, in any and all Letters Patent(s) therefor, and
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Appl. No. 29/714,471 Atty. Docket No. 3607.4310000(P44754US1)

Date:	Signature of Inventor:	Name:
	4	Jody AKANA
!	1	Molly ANDERSON
s	<u> 1</u>	Bartley K. ANDRE
ł	1	Shota AOYAGI
j	<u> </u>	Anthony Michael ASHCROFT
j	4	Marine C. BATAILLE
·	<u> </u>	Jeremy BATAILLOU
j	4	Trent J. CANALES
). <u> </u>	<u> </u>	Abidur Rahman CHOWDHURY
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0. 01-Jul-2020	<u> Dien</u>	Duncan Robert KERR
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	<u>V</u>	Michael Walter FIRKA
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	<u> </u>	
	√	Julian JAEDE
	1	Duncan Robert KERR
17-Jul-2020	Bankam	Benjamin J. POPE
	<u> </u>	Peter RUSSELL-CLARKE
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	<u> </u>	
	<i></i>	Rico ZÖRKENDÖRFER



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01-Jul-2020	918-11-lle	Peter RUSSELL-CLARKE
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	<u> </u>	M. Evans HANKEY
	\dds.\dds.\dds.\dds.\dds.\dds.\dds.\dds	Julian HOENIG
	<u> Xⁱ </u>	Richard P. HOWARTH
	X	Jonathan P. IVE
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02-Jul-2020	b	Benjamin Andrew SHAFFER
	,i	Sung-Ho TAN
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27-Jul-2020 ———	1 / K	Sung-Ho TAN
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- (b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

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The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

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IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.



Appl. No. 29/714,471 Atty. Docket No. 3607.4310000(P44754US1)

Date:	Signature of Inventor:	Name:
1.	<u> </u>	Jody AKANA
2.	<u> 1</u>	Molly ANDERSON
3.	X	Bartley K. ANDRE
4.	1	Shota AOYAGI
5	<u> </u>	Anthony Michael ASHCROFT
6.	<u> </u>	Marine C. BATAILLE
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23.	<u> </u>	Benjamin Andrew SHAFFER
24.	<u> </u>	Sung-Ho TAN
25. 02-Jul-2020	<u>, (</u>	Clement TISSANDIER
26.	<u> </u>	Eugene Antony WHANG
27.	√.	Rico ZÖRKENDÖRFER



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26.		×	Eugene Antony WHANG
27.	08-Jul-2020	√ → /	Rico ZÖRKENDÖRFER

Page 2 of 2 PATENT REEL: 054055 FRAME: 0592

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