# PATENT ASSIGNMENT COVER SHEET

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SHOTA AOYAGI	10/10/2019
ANTHONY MICHAEL ASHCROFT	10/07/2019
MARINE C. BATAILLE	12/03/2019
JEREMY BATAILLOU	10/07/2019
MARKUS DIEBEL	10/07/2019
M. EVANS HANKEY	10/15/2019
JULIAN HOENIG	04/17/2020
RICHARD P. HOWARTH	10/10/2019
JONATHAN P. IVE	10/07/2019
JULIAN JAEDE	10/09/2019
DUNCAN ROBERT KERR	10/09/2019
PETER RUSSELL-CLARKE	10/07/2019
BENJAMIN ANDREW SHAFFER	10/08/2019
MIKAEL SILVANTO	04/21/2020
SUNG-HO TAN	10/07/2019
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EUGENE ANTONY WHANG	10/07/2019
RICO ZÖRKENDÖRFER	04/17/2020

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Street Address:	ONE APPLE PARK WAY
City:	CUPERTINO
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Postal Code:	95014

**PROPERTY NUMBERS Total: 1** 

PATENT REEL: 053948 FRAME: 0342

506283971

Property Type	Number
Application Number:	29705046

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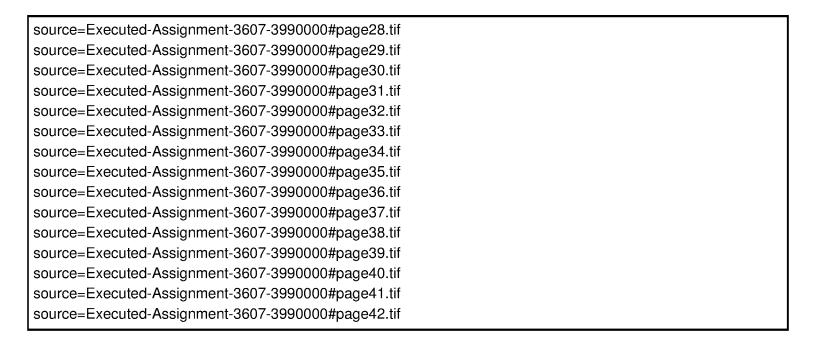
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SIGNATURE: /Charles D. Hammond #73,287/

DATE SIGNED: 10/01/2020

# **Total Attachments: 42**

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	Date:	Signature of Inventor:	Name:
1.	1013119	V JOHN X . FU M	Jody AKANA
2.		1 00 0	Molly ANDERSON
3.		<u>√</u>	Bartley K. ANDRE
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3.		√	Bartley K. ANDRE
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3.	10/10/19	1 STALL	Bartley K. ANDRE
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9,		N. C.	M. Evans HANKEY
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6.	11	<u> </u>	Marine C. BATAILLE
7.		<u>\( \frac{1}{2} \) \( \frac{1}{2} \)</u>	Jeremy BATAILLOU
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10.		· <u>Vy                                    </u>	Julian HOENIG
Ιİ.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	Richard P. HOWARTH
12,	16,7,19	<u>v ), (                                  </u>	Jonathan P. IVE
13,	<u> </u>	<b>√</b> 23 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	Julian JAEDE
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17.	:	$ \frac{\sqrt{\sqrt{2}}}{\sqrt{2}} $	Mikael SILVANTO
18.		1. A. (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Sung-Ho TAN
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19.	_ / /	<u> </u>	Clement TISSANDIER
20.		<u> X</u>	Eugene Antony WHANG
21.	/_/_	<u> </u>	Rico ZÖRKENDÖRFER



## 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, Markus DIEBEL, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Julian JAEDE, Duncan Robert KERR, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, 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
- (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;

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	Date:	Signature of Inventor:	Name:
1.		√	Jody AKANA
2.		√	Molly ANDERSON
3.		<u>√</u>	Bartley K. ANDRE
4.		<b>√</b>	Shota AOYAGI
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18.		<u> </u>	Sung-Ho TAN
19.	10/07/19	<u>v</u> &.	Clement TISSANDIER
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IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

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1.		<u> </u>	Jody AKANA
2.		<u> </u>	Molly ANDERSON
3.		1	Bartley K. ANDRE
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Page 2 of 2

RECORDED: 05/29/2020