PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PATRICK LEE COFFMAN	01/14/2020
ALAN C. DYE	01/14/2020
THALIA JIMENA ECHEVARRIA FIOL	01/07/2020
STEPHEN O. LEMAY	01/08/2020
BO MIN	01/23/2020
NICOLE R. RYAN	01/07/2020
MARCEL VAN OS	01/13/2020
MARCOS A. WESKAMP	01/09/2020
CHRISTOPHER I. WILSON	01/09/2020
ERIC LANCE WILSON	01/13/2020

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29693354

CORRESPONDENCE DATA

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> **PATENT REEL: 051735 FRAME: 0737**

505888987

NAME OF SUBMITTER:	IVY CLARICE ESTOESTA
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DATE SIGNED:	01/29/2020

Total Attachments: 22

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	Date:	Signature of Inventor:	Name:
1.	01/4/20	V Do	Patrick Lee COFFMAN
2.		<u>√</u>	Alan C. DYE
3.		<u>√</u>	Thalia Jimena ECHEVARRIA FIOL
4.		<u>√</u>	Robert GARCIA III
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3.		1	Thalia Jimena ECHEVARRIA FIOL
4.		1	Robert GARCIA III
5.	_ / _ /	<u> </u>	Stephen O. LEMAY
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1.		<u> </u>	Patrick Lee COFFMAN
2.		<u> </u>	Alan C. DYE
3.	01/04/2010	1 State	Thalia Jimena ECHEVARRIA FIOL
4.			Robert GARCIA III
5.		1	Stephen O. LEMAY
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3.		V	Thalia Jimena ECHEVARRIA FIOL
4.	119120	profes	Robert GARCIA III
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IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

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- (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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	Date:	Signature of Inventor:	Name:
1.		¥	Patrick Lee COFFMAN
2.		× .	Alan C. DYE
3.		<u>V</u>	Thalia Jimena ECHEVARRIA FIOL
4.		1	Robert GÁRCIÁ III
5.		X.	Stephen O. LEMAY
6.	<u> </u>	X	Bon MIN
7.	1/7/20	Medy	Nicole R. RYAN
8.		X.	Marcel van OS
9.		<u>√</u>	Marcos A, WESKAMP
10.	<u> </u>	<u>V</u>	Christopher I. WILSON
11.	1.1		Eric Lance WILSON



ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Patrick Lee COFFMAN, Alan C. DYE, Thalia Jimena ECHEVARRIA FIOL, Robert GARCIA III, Stephen O. LEMAY, Bon MIN, Nicole R. RYAN, Marcel van OS, Marcos A. WESKAMP, Christopher I. WILSON and Eric Lance WILSON, 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.

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1.		<u>√</u>	Patrick Lee COFFMAN
2.		٧	Alan C. DYE
3.		<u>√</u>	Thalia Jimena ECHEVARRIA FIOL
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11.	1 113,20	I Erin Snow Wille	Eric Lance WILSON
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