505893291 01/31/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAUL XIAOPENG WANG	11/17/2017

RECEIVING PARTY DATA

Name:	APPLE INC.
Street Address:	ONE APPLE PARK WAY
City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15832018

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	P34136US1
NAME OF SUBMITTER:	CASSIE QUIRK
SIGNATURE:	/Cassie Quirk/
DATE SIGNED:	01/31/2020

Total Attachments: 2

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PATENT 505893291 REEL: 051766 FRAME: 0583

A S S I G N M E N T

WHEREAS, I, Paul Xiaopeng Wang, residing in Cupertino, California, have made an invention entitled:

ELECTRONIC DEVICE SYSTEM WITH INPUT TRACKING AND VISUAL OUTPUT

and

(1) am about to make an application for United States

Letters Patent therefor, the same having been executed by

me on even date herewith

OR

(2) have made an application for United States Letters
Patent therefor, the same having been filed on
() under Application No. (), in
connection with which I hereby authorize and request the
assignee's attorneys associated with Customer Number 65015
to insert within the foregoing parentheses the filing date
and Application No. of said application when known; and

WHEREAS, APPLE INC., a corporation organized and existing under the laws of the State of California and having an address of 1 Infinite Loop, Cupertino, California 95014, is desirous of acquiring the entire interest in said invention, said United States patent application and in any Letters Patent which may issue thereon;

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) paid, and other good and valuable consideration, the receipt and

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sufficiency of which acknowledged, I do hereby Sell, assign and transfer onto the Sald APPLE INC., its successors, assigns and legal representatives, all right, title and interest in and to said invention and any improvements thereon for all countries of the world, and in and to see Jules to the patent application, including any continuations, confidentions—in-part and givisions thereof, and any substitute applications therefor, and including the East to Gain E Ority under the International Convention Cases on said Patent application, and any patent which may issue thereon, and any reissues of the same; and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any reissues and extensions of the same;

and I hereby authorize and request competent authorities to grant and issue any and all patents on said invention to the said APPLE INC. as the assignee of the entire interest therein; and I further agree to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of the world, and to otherwise give full effect to and perfect the rights of the assignee under this Assignment.

IN TESTIMONY WHEREOF, I have become signed my name on the date indicated hereinafter.

1/17/2017

Park Apacplace Vision

PATENT REEL: 051766 FRAME: 0585