PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4553042

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SOPHIA TEUTSCHLER	06/22/2017
STEPHEN R. BREEN	06/22/2017
KENNETH L. KOCIENDA	07/09/2017

RECEIVING PARTY DATA

Name:	APPLE INC.
Street Address:	1 Infinite Loop
City:	Cupertino
State/Country:	CALIFORNIA
Postal Code:	95014

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15647200	

CORRESPONDENCE DATA

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GARY S. WILLIAMS Correspondent Name:

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Address Line 2: 1400 PAGE MILL ROAD

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ATTORNEY DOCKET NUMBER:	063266-7400-US	
NAME OF SUBMITTER:	GARY S. WILLIAMS	
SIGNATURE:	/Gary S. Williams/	
DATE SIGNED:	08/16/2017	

Total Attachments: 2

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PATENT REEL: 043307 FRAME: 0782 504506338

ASSIGNMENT

WHEREAS, WE, SOPHIA TEUTSCHLER, citizen of Germany, residing in San Francisco, CA; STEPHEN R. BREEN, citizen of the United States of America, residing in San Jose, CA; and KENNETH L. KOCIENDA, citizen of the United States of America, residing in San Jose, CA, ASSIGNORS, are the inventors of the invention in DEVICES, METHODS, AND GRAPHICAL USER INTERFACES FOR PROCESSING INTENSITY INFORMATION ASSOCIATED WITH TOUCH INPUTS, described in an application for a Patent of the United States					
 					
which claims priority on U.S. Provisional Patent Application No(s). 62/349,069 We hereby authorize and request our attorney, Gary S. Williams, of Morgan, Lewis & Bockius LLP, to insert here in parenthesis (Application number 15/647,200 , filed 07/11/2017) the filing date and application number of said application when known.					
and WHEREAS, APPLE INC., ASSIGNEE, having a place of business at 1 Infinite Loop, Cupertino, California 95014, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:					
NOW, THEREFORE, let it be known that for and in consideration of the sum of One Dollar (\$1.00) to me paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and any substitute applications therefore, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; the said United States provisional patent application(s), if any, on which the said United States applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application and said United States provisional patent application(s), if any, under the Patent Laws of the United States, the International Convention 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; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;					
AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.					
AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.					
AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.					
IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.					
Date 6/22/17 Sophia Teutschler L.S.					
Date 6/22/2907 Stephen R. Breen L.S.					
Poto.					

Kenneth L. Kocienda

DB2/ 31608635.1

PATENT REEL: 043307 FRAME: 0783

ASSIGNMENT

WHEREAS, WE, SOPHIA TEUTS BREEN, citizen of the United States of America, residing in S. METHODS, AND GRAPHICAL USER ASSOCIATED WITH TOUCH INPUTS,	an Jose, CA, ASSIGNORS, are the inve R INTERFACES FOR PROCESSIN	NNETH L. KOCIENDA, citizen of entors of the invention in DEVICES, G INTENSITY INFORMATION
 ⋈ which is executed on ⋈ even date he ⋈ which is identified by Morgan, Lewis & ⋈ which was filed on	Bockius LLP docket no. P30773US1/63: Application No al Patent Application No(s). 62/349,069 orney, Gary S. Williams, of Morgan, Lew/647,200 , filed07/11/2017	
and WHEREAS, APPLE INC., ASSIGNED is desirous of obtaining our entire right, title	E, having a place of business at 1 Infinit and interest in, to and under the said invo	e Loop, Cupertino, California 95014, ention and the said application:
NOW, THEREFORE, let it be known and other good and valuable consideration, ASSIGNORS, have sold, assigned, transferrover, unto the said ASSIGNEE, its success and under the said invention, and the said Under and any substitute applications therefore, a reissues and extensions thereof; the said Under States application claims priority; and all applications for patents, utility models, and countries foreign to the United States, toget the priority rights derived from said United any, under the Patent Laws of the United Stany other international agreement or the doapplicable; and all forms of industrial prope certificates and designs which may be grant and all extensions, renewals and reissues the	red and set over, and by these presents dors, legal representatives and assigns, our inted States application and all divisions and all Patents of the United States whated States provisional patent application oplications for industrial property protect designs which may hereafter be filed ther with the right to file such application. States application and said United State tates, the International Convention for the americ laws of the country in which any erty protection, including, without limitatived for said invention in any country or other these states and invention in any country or other these states.	e hereby acknowledged, we, the said o hereby sell, assign, transfer and set ir entire right, title and interest in, to s, renewals and continuations thereof, iich may be granted thereon and all n(s), if any, on which the said United iion, including, without limitation, all for said invention in any country or and the right to claim for the same is provisional patent application(s), if the Protection of Industrial Property, or y such application is filed, as may be ion, patents, utility models, inventors'
AND WE HEREBY authorize and any Official of any country or countries for forms of industrial property protection or successors, legal representatives and assigns	n applications as aforesaid, to issue the	s to issue patents or other evidence or e same to the said ASSIGNEE, its
AND WE HEREBY covenant and a that we have not executed, and will not executed.	agree that we have full right to convey the cute, any agreement in conflict herewith.	ne entire interest herein assigned, and
AND WE HEREBY further covena legal representatives and assigns, any facts all lawful papers, execute all divisional, con do everything possible to aid the said ASSI proper protection for said invention in all co	tinuing, reissue and foreign applications, GNEE, its successors, legal representative	d testify in any legal proceeding, sign
IN TESTIMONY WHEREOF, We signatures.	hereunto set our hands and seals the day	and year set opposite our respective
Date	Sophia Teutschler	L.S.
	Sopiii Teaseniei	
Date	Stephen R. Breen	L.S.
Date Kun Kun	July, 9, 2017	I S

Kenneth L. Kocienda

DB2/ 31608635.1

RECORDED: 08/16/2017

L.S.