504258618 03/06/2017 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY	Υ DATA		
		Name	Execution Date
GEORGE R. DICKER			01/13/2017
NICHOLAS J. SHEARER			01/12/2017
RECEIVING PARTY	DATA		
Name:	APPLE	APPLE INC.	
Street Address:	1 INFIN	1 INFINITE LOOP	
City:	CUPER	CUPERTINO	
State/Country:	CALIFO	CALIFORNIA	
Postal Code:	95014		
Property Ty	pe	Number	
Application Numbe	r: 1	Number 15415679	
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P289790S1

ASSIGNMENT

WHEREAS, We, George R. Dicker and Nicholas J. Shearer, citizens of the United States of America and Great Britain, respectively, residing in Sunnyvale, California and San Francisco, California, respectively, and each having a post office address at 1 Infinite Loop, Cupertino, California 95014, have made an invention entitled:

CONDUCTING TRANSACTIONS USING ELECTRONIC DEVICES WITH NON-NATIVE CREDENTIALS

the specification of which was filed as US Patent Application No. * <u>15/415,679</u> on * <u>January 25, 2017</u>;

WHEREAS, Apple Inc., a corporation organized and existing under the laws of California and having an office and place of business at 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 to us, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto the said 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 said United States

^{*}We hereby authorize "Apple Inc." and its representatives to insert in this instrument the US Patent Application Number and Filing Date of said application when "Apple Inc." is officially notified thereof.

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patent application, including any continuations, continuations-in-part, and divisions thereof, and any substitute applications therefor, and any patents which may issue thereon, and any reissues of the same, and including the right to claim priority under the International Convention based on said patent application; 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, continuations-in-part, 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 we 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 we 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, we have hereunto signed our names on the dates indicated hereinafter.

Nicholas J. Shearer

Date

PATENT REEL: 041478 FRAME: 0681

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P28979US1

ASSIGNMENT

WHEREAS, We, George R. Dicker and Nicholas J. Shearer, citizens of the United States of America and Great Britain, respectively, residing in Sunnyvale, California and San Francisco, California, respectively, and each having a post office address at 1 Infinite Loop, Cupertino, California 95014, have made an invention entitled:

CONDUCTING TRANSACTIONS USING ELECTRONIC DEVICES WITH NON-NATIVE CREDENTIALS

the specification of which was filed as US Patent Application No. * 15/415,679 on * January 25, 2017 ;

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NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) paid to us, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto the said 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 said United States

PATENT REEL: 041478 FRAME: 0682

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patent application, including any continuations, continuations-in-part, and divisions thereof, and any substitute applications therefor, and any patents which may issue thereon, and any reissues of the same, and including the right to claim priority under the International Convention based on said patent application; 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, continuations-in-part, 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 we 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 we 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, we have hereunto signed our names on the dates indicated hereinafter.

Date

1/12/

George R. Dicker

Nicholas J. Shearer

PATENT **REEL: 041478 FRAME: 0683**

RECORDED: 03/06/2017