

**PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2716593

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ABBAS JAMSHIDI ROUDBARI	02/04/2014
SHIH-CHANG CHANG	02/04/2014
TING-KUO CHANG	02/04/2014
CHENG-HO YU	02/05/2014

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:	14174471

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	P18793US1
NAME OF SUBMITTER:	TIFFANY R. ISHIHARA
Signature:	/Tiffany R. Ishihara/
Date:	02/06/2014

Total Attachments: 3  
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**PATENT**

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**REEL: 032166 FRAME: 0020**

A S S I G N M E N T

WHEREAS, We, Abbas Jamshidi Roudbari, Shih-Chang Chang, Ting-Kuo Chang, and Cheng-Ho Yu, residing respectively in Sunnyvale, California, Cupertino, California, Cupertino, California, and Cupertino, California, have made an invention entitled:

DISPLAY CIRCUITRY WITH REDUCED PIXEL PARASITIC CAPACITOR COUPLING

and

(1) are about to make an application for United States Letters Patent therefor, the same having been executed by us 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 we 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 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 application, including any continuations, continuations-in-part and divisions thereof, and any substitute applications therefor, and including the right to claim priority under the International Convention based 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 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.

02/04/2014

Date

Abbas Jamshidi Roudbari

F187930S1

2/4/2014  
Date

Shih-Chang Chang  
Shih-Chang Chang

2/4/2014  
Date

Ting-Kuo Chang  
Ting-Kuo Chang

2/5/2014  
Date

Cheng-Ho Yu  
Cheng-Ho Yu