PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Shih Chang CHANG	05/24/2011
Cheng-Ho YU	05/24/2011
Zhibing GE	05/24/2011
Hopil BAE	05/24/2011

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
PCT Number:	US1137810

CORRESPONDENCE DATA

(213)892-5454 Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

213.892.5200 Phone: Email: dfintz@mofo.com Correspondent Name: Morrison & Foerster, LLP Address Line 1: 555 West Fifth Street

Address Line 4: Los Angeles, CALIFORNIA 90013-1024

ATTORNEY DOCKET NUMBER: 10684-20433.40

NAME OF SUBMITTER: Glenn M. Kubota

Total Attachments: 2

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PATENT REEL: 026372 FRAME: 0335

Attorney Docket No.: 106842043340 Client Ref No.: P11274WO1

WORLDWIDE PATENT ASSIGNMENT JOINT

THIS ASSIGNMENT, by Shih Chang CHANG, Cheng-Ho YU, Zhibing GE and Hopil BAE, each having a post office address at c/o Apple Inc., 1 Infinite Loop, Cupertino, California 95014 US, (hereinafter referred to as the assignors), witnesseth:

	tain new and useful improvements in WRITING DATA
TO SUB-PIXELS USING DIFFERENT WR	ITE SEQUENCES set forth in an International (PCT)
application bearing International Application No.	and filed on
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WHEREAS, APPLE INC., a corporation duly organized under and pursuant to the laws of the State of California, and having its principal place of business at 1 Infinite Loop, Cupertino, California 95014, US (hereinafter referred to as the assignee), is desirous of acquiring the entire right, title and interest in and to said international application and any said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all provisionals, divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to he held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the joint and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successor, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

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AND said assignors hereby request the issuance of said Letters Patent of the United States and/or foreign countries to said assignee* as the assignee* of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee*, its successors, legal representatives and assigns. "I hereby authorize and request the assignee's attorneys, Morrison & Foerster LLP, to insert here in parentheses ____, filed _____) the application number and filing date of said (Application number application when known." Assignor Hopil BAE Assignor