

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Lukas M. Marti</td> <td>11/14/2012</td> </tr> <tr> <td>Shannon M. Ma</td> <td>11/15/2012</td> </tr> </tbody> </table>		Name	Execution Date	Lukas M. Marti	11/14/2012	Shannon M. Ma	11/15/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Apple Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1 Infinite Loop</td> </tr> <tr> <td>City:</td> <td>Cupertino</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95014</td> </tr> </table>		Name:	Apple Inc.	Street Address:	1 Infinite Loop	City:	Cupertino	State/Country:	CALIFORNIA	Postal Code:	95014
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CORRESPONDENCE DATA											
<p>Fax Number: 6175428906  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-542-5070        Email: apsi@fr.com        Correspondent Name: Rex I. Huang        Address Line 1: P.O. Box 1022        Address Line 4: Minneapolis, MINNESOTA 55440</p>											
ATTORNEY DOCKET NUMBER:	18962-0687001										
NAME OF SUBMITTER:	Lesley J. Arcidy										
<p>Total Attachments: 2        source=18962-0687001Assignment#page1.tif        source=18962-0687001Assignment#page2.tif</p>											

CH \$40.00 13683474

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS, Lukas M. Marti, Shannon M. Ma, hereby sell, assign, and transfer to Apple Inc. (CALIFORNIA corporation), having offices located at 1 Infinite Loop, Cupertino, California 95014-2094, and its successors, assigns and legal representatives (collectively, "ASSIGNEE") all of the right, title and interest of ASSIGNORS throughout the world in and to any and all inventions and improvements which are the subject of a patent document entitled

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and which is found in

- (a) ☐ U.S. patent application executed on , entitled as above, listing the above named persons as Inventors.
- (b) ☒ U.S. patent application filed on November 21, 2012  
☒ under Application No. 13/683,474  
☐ with Express Mail No. (Application Number not yet known).
- (c) ☐ U.S. Patent No., issued

An attorney of record, or the attorney filing the application, is authorized and requested by the execution of this assignment to insert into this assignment the execution date of the application and/or the filing date and serial number of the application when officially known.

This assignment includes the foregoing patent application or patent; all legal equivalents thereof in any foreign country and all patents issuing therefrom; all United States and foreign patents, utility models, and design registrations granted for any of said inventions and improvements; and the right to claim priority based on the filing date of the foregoing patent application or patent under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. ASSIGNORS authorize ASSIGNEE to apply in all countries in the name of ASSIGNORS or in the name of ASSIGNEE for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with this assignment.

ASSIGNORS further covenant for themselves and their respective heirs, legal representatives and assigns to provide to ASSIGNEE promptly upon the request of ASSIGNEE all pertinent facts and documents relating to said invention and said patents and legal equivalents as may be known and accessible to ASSIGNORS and to testify as to the same in any interference, litigation, or proceeding relating thereto and promptly to execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said inventions and improvements and said patents and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

ASSIGNORS request the Commissioner of Patents and Trademarks to issue said patents of the United States and any reissue or extension thereof to the ASSIGNEE.

PATENT

REEL: 029337 FRAME: 0820

Executed this

Signature of Inventor

14 day of NOVEMBER, 2012 Lukas M. Marti  
Lukas M. Marti

Executed this

Signature of Inventor

15 day of 11, 2012 Shannon M. Ma  
Shannon M. Ma

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PATENT

RECORDED: 11/21/2012

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