

PATENT ASSIGNMENT COVER SHEET

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|---|-----------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Roberto Garcia | 06/05/2015 |
| Eugene M. Bistolas | 05/13/2015 |
| Justin Wood | 06/04/2015 |
| Lawrence Yuan Yang | 05/13/2015 |
| Scott Lopatin | 05/14/2015 |
| Richard R. Dellinger | 05/13/2015 |
| RECEIVING PARTY DATA | |
| Name: | Apple Inc. |
| Street Address: | 1 Infinite Loop |
| City: | Cupertino |
| State/Country: | CALIFORNIA |
| Postal Code: | 95014-2094 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14503270 |
| CORRESPONDENCE DATA | |
| Fax Number: | (877)769-7945 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | |
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| ATTORNEY DOCKET NUMBER: | 18962-0868001 |
| NAME OF SUBMITTER: | ABBY REMER |
| SIGNATURE: | /Abby Remer/ |
| DATE SIGNED: | 06/08/2015 |

Total Attachments: 10

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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS, Roberto Garcia, Eugene M. Bistolas, Justin Wood, Lawrence Yuan Yang, Scott Lopatin, Richard R. Dellinger, 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 9/30/2014
☒ under Application No.14/503,270.
☐ 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.

Executed this

5 day of June, 2015

Signature of Inventor



Roberto Garcia

Executed this

_____ day of _____, 20____

Signature of Inventor

Eugene M. Bistolas

Executed this

_____ day of _____, 20____

Signature of Inventor

Justin Wood

Executed this

_____ day of _____, 20____

Signature of Inventor

Lawrence Yuan Yang

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_____ day of _____, 20____

Signature of Inventor

Scott Lopatin

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Richard R. Dellinger

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Signature of Inventor

____ day of _____, 20__

Roberto Garcia

Executed this

Signature of Inventor

13 day of **May**, 20**15**

Eugene M. Bistolas

Executed this

Signature of Inventor

____ day of _____, 20__

Justin Wood

Executed this

Signature of Inventor

____ day of _____, 20__

Lawrence Yuan Yang

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____ day of _____, 20__

Scott Lopatin

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____ day of _____, 20__

Roberto Garcia

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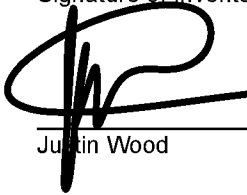
____ day of _____, 20__

Eugene M. Bistolas

Executed this

Signature of Inventor

4th day of June, 2015


Justin Wood

Executed this

Signature of Inventor

____ day of _____, 20__

Lawrence Yuan Yang

Executed this

Signature of Inventor

____ day of _____, 20__

Scott Lopatin

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Richard R. Dellinger

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Signature of Inventor

____ day of _____, 20__

Roberto Garcia

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Signature of Inventor

____ day of _____, 20__

Eugene M. Bistolas

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____ day of _____, 20__

Justin Wood

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____ day of _____, 20__

Lawrence Yuan Yang

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Signature of Inventor

14 day of May, 2015



Scott Lopatin

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Eugene M. Bistolas

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Justin Wood

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Signature of Inventor

13th day of May, 2015

Lawrence Yuan Yang

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Scott Lopatin

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Signature of Inventor

13 day of May, 2015

Richard R. Dellinger