

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| HENRIQUE D. PENHA | 01/21/2016 |
| GREGORY M. APODACA | 01/21/2016 |
| BRENDAN J. LANGOULANT | 01/20/2016 |
| BEHKISH J. MANZARI | 01/21/2016 |
| CHARLES A. MEZAK | 01/20/2016 |
| PAVEL PIVONKA | 01/21/2016 |
| JUSTIN S. TITI | 01/21/2016 |
| SIMON BOVET | 01/20/2016 |
| 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: | 14864601 |
| CORRESPONDENCE DATA | |
| Fax Number: | (650)843-4001 |
| <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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| Email: | beverly.gemello@morganlewis.com |
| Correspondent Name: | GARY S. WILLIAMS |
| Address Line 1: | MORGAN, LEWIS & BOCKIUS LLP |
| Address Line 2: | 1400 PAGE MILL ROAD |
| Address Line 4: | PALO ALTO, CALIFORNIA 94304 |
| ATTORNEY DOCKET NUMBER: | 063266-7331-US |
| NAME OF SUBMITTER: | GARY S. WILLIAMS |
| SIGNATURE: | /Gary S. Williams/ |

PATENT

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| DATE SIGNED: | 05/05/2016 |
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Total Attachments: 8

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- source=P25361USC3_Assignment_7331US#page8.tif

ASSIGNMENT

WHEREAS, WE, **HENRIQUE D. PENHA**, citizen of the United States of America, residing in San Francisco, CA; **GREGORY M. APODACA**, citizen of the United States of America, residing in Saratoga, CA; **BRENDAN J. LANGOULANT**, citizen of Australia, residing in San Francisco, CA; **BEHKISH J. MANZARI**, citizen of the United States of America, residing in San Francisco, CA; **CHARLES A. MEZAK**, citizen of the United States of America, residing in San Francisco, CA; **PAVEL PIVONKA**, citizen of Czech Republic, residing in San Francisco, CA; **JUSTIN S. TITL**, citizen of the United States of America, residing in Morgan Hill, CA; and **SIMON BOVET**, citizen of Switzerland, residing in Zurich, Switzerland, ASSIGNORS, are the inventors of the invention in **DEVICES AND METHODS FOR CAPTURING AND INTERACTING WITH ENHANCED DIGITAL IMAGES**, described in an application for a Patent of the United States

- which is executed on even date herewith
- which is identified by Morgan, Lewis & Bockius LLP docket no. P25361USC3/63266-7331-US
- which was filed on September 24, 2015, Application No. 14/864,601
- which claims priority on U.S. Provisional Patent Application No(s). 62/172,223, 62/172,233, 62/215,689
- We hereby authorize and request our attorney, Gary S. Williams, of Morgan, Lewis & Bockius LLP, to insert here in parenthesis (Application number _____, filed _____) the filing date and application number of said application when known.

and WHEREAS, **APPLE INC.**, ASSIGNEE, having a place of business at 1 Infinite Loop, Cupertino, California 95014, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, let it be known that for and in consideration of the sum of One Dollar (\$1.00) to me paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and any substitute applications therefore, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; the said United States provisional patent application(s), if any, on which the said United States application claims priority; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application and said United States provisional patent application(s), if any, under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

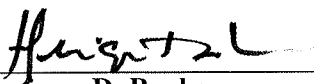
AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 1/21/14

 L.S.
Henrique D. Penha

Date _____

L.S.
Gregory M. Apodaca

ASSIGNMENT

WHEREAS, WE, **HENRIQUE D. PENHA**, citizen of the United States of America, residing in San Francisco, CA; **GREGORY M. APODACA**, citizen of the United States of America, residing in Saratoga, CA; **BRENDAN J. LANGOULANT**, citizen of Australia, residing in San Francisco, CA; **BEHKISH J. MANZARI**, citizen of the United States of America, residing in San Francisco, CA; **CHARLES A. MEZAK**, citizen of the United States of America, residing in San Francisco, CA; **PAVEL PIVONKA**, citizen of Czech Republic, residing in San Francisco, CA; **JUSTIN S. TITI**, citizen of the United States of America, residing in Morgan Hill, CA; and **SIMON BOVET**, citizen of Switzerland, residing in Zurich, Switzerland, ASSIGNORS, are the inventors of the invention in **DEVICES AND METHODS FOR CAPTURING AND INTERACTING WITH ENHANCED DIGITAL IMAGES**, described in an application for a Patent of the United States

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NOW, THEREFORE, let it be known that for and in consideration of the sum of One Dollar (\$1.00) to me paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and any substitute applications therefore, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; the said United States provisional patent application(s), if any, on which the said United States application claims priority; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application and said United States provisional patent application(s), if any, under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

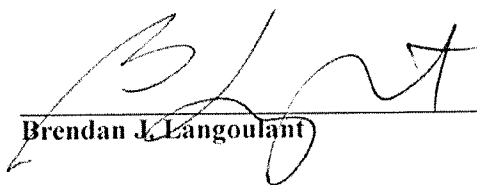
AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date _____ Henrique D. Penha L.S.

Date 1-21-2016 _____ Gregory M. Apodaca L.S.

Date Jan 20 2016



Brendan J. Langoulant L.S.

Date _____

Behkish J. Manzari L.S.

Date _____

Charles A. Mezak L.S.

Date _____

Pavel Pivonka L.S.

Date _____

Justin S. Titi L.S.

Date _____

Simon Bovet L.S.

Date _____ **Brendan J. Langoulant** L.S.

Date 1/21/2016  L.S.
Behkish J. Manzari

Date _____ **Charles A. Mezak** L.S.

Date _____ **Pavel Pivonka** L.S.

Date _____ **Justin S. Titi** L.S.

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Justin S. Titi

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Date _____ Pavel Pivonka L.S.

Date _____ Justin S. Titi L.S.

Date 1/20/2016 _____ Simon Bovet L.S.