

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5315961

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Toshihiro Horie	11/08/2018
Kevin O'Neil	11/08/2018
Zehang Sun	11/15/2018
Xiaohuan Corina Wang	11/08/2018
Joe Weil	01/08/2019
Omid Khalili	11/14/2018
Stuart Mark Pomerantz	11/08/2018
Marc Robins	11/09/2018
Eric Beale	11/16/2018
Nathalie Castel	11/08/2018
Jean-Michel Berthoud	11/08/2018
Brian Walsh	11/08/2018
Andy Harding	11/14/2018
Greg Dudey	11/08/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Apple Inc.
<b>Street Address:</b>	One Apple Park Way
<b>City:</b>	Cupertino
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95014-2094
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16177408
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
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**ATTORNEY DOCKET NUMBER:** 18962-1038001

**NAME OF SUBMITTER:** JESSICA RUETTIMANN

**SIGNATURE:** /Jessica Ruettimann/

**DATE SIGNED:** 01/09/2019

**Total Attachments: 13**

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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS, Toshihiro Horie, Kevin O'Neil, Zehang Sun, Xiaohuan Corina Wang, Joe Weil, Omid Khalili, Stuart Mark Pomerantz, Marc Robins, Eric Beale, Nathalie Castel, Jean-Michel Berthoud, Brian Waish, Andy Harding, Greg Dudey, hereby sell, assign, and transfer to Apple Inc. (CALIFORNIA corporation), having offices located at One Apple Park Way, Cupertino, California 95014-0642, 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

## CREATING AUGMENTED REALITY SELF-PORTRAITS USING MACHINE LEARNING

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 10/31/2018  
 under Application No. 16/177,408.  
 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

8th day of November, 2018

Signature of Inventor

  
Toshifuro Horie

Executed this

\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

Signature of Inventor

\_\_\_\_\_  
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08 day of November, 2018

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Kevin O'Neil

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15<sup>th</sup> day of Nov, 2018

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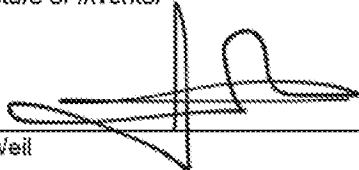
\_\_\_\_\_  
Xiaohuan Corina Wang

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**8th** day of **January**, 20**19**

Signature of Inventor

\_\_\_\_\_  
Joe Weil



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14 day of November, 2018

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8th day of Nov, 2018



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Stuart Mark Pomerantz

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Andy Harding

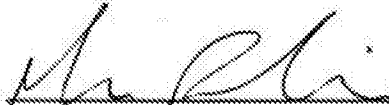
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Stuart Mark Pomerantz

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9<sup>th</sup> day of November, 2018

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Marc Robins

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16 day of November 18

  
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Eric Beale

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8<sup>th</sup> day of November, 2018

  
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Nathalie Castel

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9 day of November, 2018

  
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14 day of November, 2018

  
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Greg Dudey

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