

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4617638

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ALEXANDER J. O'CONNELL	08/29/2017
JUSTIN M. STRAWN	08/29/2017
RYAN D. SHELBY	08/29/2017
SUNNY CHAN	09/11/2017
TADAYASU SASADA	09/20/2017
VINCENT P. ARROYO	08/29/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	APPLE INC.
<b>Street Address:</b>	1 INFINITE LOOP
<b>City:</b>	CUPERTINO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95014
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15716662
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(925)472-8895
<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>	
<b>Phone:</b>	925-472-6324
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<b>Correspondent Name:</b>	LAURIE MORENO
<b>Address Line 1:</b>	2175 NORTH CALIFORNIA BOULEVARD
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<b>ATTORNEY DOCKET NUMBER:</b>	090911-P34842US1-1056184
<b>NAME OF SUBMITTER:</b>	LAURIE MORENO
<b>SIGNATURE:</b>	/Laurie Moreno/
<b>DATE SIGNED:</b>	09/28/2017

**Total Attachments: 6**

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**ASSIGNMENT**  
(Patent Application)

JOINT

WHEREAS, Alexander J. O'Connell, Justin M. Straw, Ryan D. Shelby, Sunny Chan, Tadayasu Sasada, and Vincent P. Arroyo, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:    **AUGMENTED REALITY INTERFACE FOR  
FACILITATING IDENTIFICATION OF ARRIVING  
VEHICLE**

Filing Date:           September 27, 2017

Application No.:       15/716,662

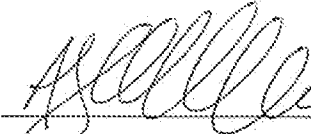
WHEREAS, APPLE INC., a corporation of the state of California, located at 1 Infinite Loop, Cupertino, CA 95014, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

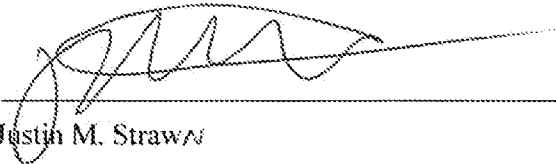
For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.


Assignors further agree that they will, without charge to Assignors, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Kilpatrick Townsend & Stockton LLP, 1100 Peachtree Street, Suite 2800, Atlanta, Georgia 30309, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

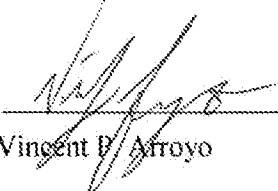
Signature:   
Date: 08/29/17  
Alexander J. O'Connell

Signature:   
Date: 8/29/17  
Justin M. Straw

Signature:   
Date: 8-29-17  
Ryan D. Shelby

Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Sunny Chan

Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Tadayasu Sasada

Signature:   
Date: 8/29/17  
Vincent P. Afroyo

**ASSIGNMENT**  
(Patent Application)

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Title of Invention:    AUGMENTED REALITY INTERFACE FOR  
                                  FACILITATING IDENTIFICATION OF ARRIVING  
                                  VEHICLE

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For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignors, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

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Alexander J. O'Connell

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Justin M. Strawn

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Ryan D. Shelby

Signature:  \_\_\_\_\_ Date: 9.11.17  
Sunny Chan

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Tadayasu Sasada

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Vincent P. Arroyo

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Ryan D. Shelby

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Sunny Chan

Signature: 笹田 忠靖 Date: Sep-20-2017  
Tadayasu Sasada

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Vincent P. Arroyo