

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT6067610

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AARON MATTHEW ROGAN	04/14/2020
TAEHUN YOON	03/13/2020
GREGORY MARK MAHOWALD	04/16/2020
RECEIVING PARTY DATA	
Name:	UBER TECHNOLOGIES, INC.
Street Address:	1455 MARKET STREET
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94103
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16712821
CORRESPONDENCE DATA	
Fax Number:	(650)938-5200
<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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Correspondent Name:	JOHN E. KIND
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Address Line 2:	801 CALIFORNIA STREET
Address Line 4:	MOUNTAIN VIEW, CALIFORNIA 94041
ATTORNEY DOCKET NUMBER:	20662-43085/US
NAME OF SUBMITTER:	JOHN E. KIND; REG. 70,670
SIGNATURE:	/John E. Kind/
DATE SIGNED:	04/17/2020
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 3	
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COMBINED DECLARATION AND ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Uber Technologies, Inc.**, a Delaware Corporation, having a place of business at 1455 Market Street, San Francisco, CA 94103 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional or non-provisional application filed under 35 U.S.C. § 111, design application filed under 35 U.S.C. § 171, Registered Community Designs, international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION"), and any patents issuing thereon ("PATENT RIGHTS"):

- Application No. 16/712,821, entitled "GENERATING AUGMENTED REALITY IMAGES FOR DISPLAY ON A MOBILE DEVICE BASED ON GROUND TRUTH IMAGE RENDERING," filed on December 12, 2019, which claims priority from provisional application, filed on February 28, 2019, now bearing U.S. Application No. 62/812,101; provisional application filed on January 23, 2019, now bearing U.S. Application No. 62/795,998; provisional application filed on February 28, 2019, now bearing U.S. Application No. 62/812,098; provisional application filed on February 4, 2019, now bearing U.S. Application No. 62/801,010; provisional application filed on February 4, 2019, now bearing U.S. Application No. 62/801,012; provisional application filed on February 6, 2019, now bearing U.S. Application No. 62/802,145; and provisional application filed on February 28, 2019, now bearing U.S. Application No. 62/812,107.

2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto that have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) that may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to

Title:	GENERATING AUGMENTED REALITY IMAGES FOR DISPLAY ON A MOBILE DEVICE BASED ON GROUND TRUTH IMAGE RENDERING		
Filed:	December 12, 2019	Attorney Docket #:	20662-43085/US
Application #:	16/712,821	Client Ref #:	UP-00998US

ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

By signing below, INVENTOR further attests to the following:

- The APPLICATION was made or authorized to be made by INVENTOR.
- INVENTOR believes that INVENTOR is the original inventor or an original joint inventor of a claimed invention in the APPLICATION.

INVENTOR hereby acknowledges that any willful false statement made in this document is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Name and Signature

Date of Signature (REQUIRED)



Apr 14, 2020

Aaron Matthew Rogan

Name and Signature

Date of Signature (REQUIRED)



Mar 13, 2020

Taehun Yoon

Title:	GENERATING AUGMENTED REALITY IMAGES FOR DISPLAY ON A MOBILE DEVICE BASED ON GROUND TRUTH IMAGE RENDERING		
Filed:	December 12, 2019	Attorney Docket #:	20662-43085/US
Application #:	16/712,821	Client Ref #:	UP-00998US

Name and Signature

Date of Signature (REQUIRED)

Gregory Mahowald

Apr 16, 2020

Gregory Mark Mahowald