505025187 07/28/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALDIS SIPOLINS	07/23/2018
JENNA REINEN	07/19/2018
HUI WU	07/20/2018
RAVI TEJWANI	07/17/2018
MARCO CAVALLO	07/17/2018

RECEIVING PARTY DATA

Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION
Street Address:	NEW ORCHARD ROAD
City:	ARMONK
State/Country:	NEW YORK
Postal Code:	10504

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16048230

CORRESPONDENCE DATA

Fax Number:

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.

Email: lcharles@intelletek.com

Correspondent Name: INTELLETEK LAW GROUP, PLLC GABRIEL DANIE

Address Line 1: 800 2ND AVENUE

Address Line 2: SUITE 804

Address Line 4: NEW YORK, NEW YORK 10017

ATTORNEY DOCKET NUMBER:	P201705612US01
NAME OF SUBMITTER:	LORETTA CHARLES
SIGNATURE:	/Loretta Charles/
DATE SIGNED:	07/28/2018

Total Attachments: 6

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PATENT REEL: 047254 FRAME: 0794

EPAS ID: PAT5071936

505025187



PATENT REEL: 047254 FRAME: 0795

DECLARATION (37 C.F.R. § 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. § 1.76) AND ASSIGNMENT

Title of Invention: FACIAL MIRRORING IN VIRTUAL AND AUGMENTED REALITY

As a below named and undersigned inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

Assignors	hereby	authorize	and	request	ASSIGNEE's	legal
					$800~2^{nd}$ Ave. Su	

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

WHEREAS, I ("ASSIGNOR") have made certain inventions, improvements, and discoveries (herein referred to as the 'Invention') disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

WHEREAS, International Business Machines Corporation (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonk, New York, desires to acquire, and I desire to grant to the ASSIGNEE, my entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged. I hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, I hereby authorize and request the Director of the United States Patent and Trademark

Office to the any local space. Place and foreign point authorities to leave any lone of particles and appropriately and

Lacknowledge my prior and ongoing obligations to self, assign, and transfer my rights under the Assignment to the ASSIGNET and an unaware of any reason why I may not have the full and unencumbered right to self, assign, and transfer my rights hereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict hereigh. I also hereby grant the ASSIGNET, its successors, legal representatives, and assigns the right to usert in this Assignment any further identification (including, but not limited to paint Application Number) which may be necessary or desirable for recordation of this Assignment is governed by the substantive laws of the State of New York and any disputes will be resolved in a New York state court or federal court sited in New York.

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

Legal Name of Inventor: Aldis Sipolins	
menura September	Date Sulfi 23 3 5 15
Legal Name of Inventor: Jenna Reinen	
Inventor's Signature	Date
Legal Name of Investor: Hair Wa	
Inventor's Signature	Date
Legal Name of Science Ravi Tejwani	
	Date

PATENT REEL: 047254 FRAME: 0797 Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by me had this Assignment not been made; and I agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the ASSIGNEE and am unaware of any reason why I may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also hereby grant the ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

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Legal Name of Inventor: Jenna Reinen Inventor's Signature Date: 1. 19 - 18 Legal Name of Inventor: Hui Wu Inventor's Signature Date: Legal Name of Inventor: Ravi Tejwani	Legal Name of Inventor: Aldis Sipolins	
Ingentor's Signature 2-19-18 Legal Name of Inventor: Hui Wu Inventor's Signature Date: Legal Name of Inventor: Ravi Tejwani	Inventor's Signature	Date
Ingentor's Signature 2-19-18 Legal Name of Inventor: Hui Wu Inventor's Signature Date: Legal Name of Inventor: Ravi Tejwani		
Legal Name of Inventor: Hui Wu Legal Name of Inventor: Signature Date: Legal Name of Inventor: Ravi Tejwani		
Legal Name of Inventor: Ravi Tejwani	Legal Name of Inventor: Jenna Reinen	
Legal Name of Inventor: Ravi Tejwani	typerspr's Signature	Date
Legal Name of Inventor: Hui Wu Discontinue of Enventor: Ravi Tejwani	1 124-11	2-19-18
Ansenior's Signature Date Legal Name of Inventor: Ravi Tejwani		
Legal Name of Invenior: Ravi Tejwani	Legal Name of Inventor: Hui Wu	
	bosonor's Signature	Date
	Legal Name of Inventor: Ravi Tejwani	
Pale:	Inventor's Signature	Date

Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by me had this Assignment not been made; and I agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

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Legal Name of Inventor: Aldis Sipolins	
Inventor's Signature:	Date:
Legal Name of Inventor: Jenna Reinen	
Inventor's Signature:	Date:
Legal Name of Inventor: Hui Wu	
Inventor's Signature:	Date;
Mi Un	07/20/2018
Legal Name of Inventor: Ravi Tejwani	
Inventor's Signature:	Date:

Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by me had this Assignment not been made; and I agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

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Legal Name of Inventor Aldis Sipolins	
Inventor's Signature:	Date:
Legal Name of Inventor. Jenna Reinen	
Inventor's Signature	Date
Legal Name of Inventor: Hui Wu	
Inventor's Signature:	Date
Legal Name of Inventor: Ravi Tejwani	
Inventor's Signature	Date:
True.	04/17/2018

Page 2 of 3

Legal Name of Inventor: Marco Cavallo		
Invenor's Signature:	Date: 07/17/18	