505308417 02/01/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5355197

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PETE DENMAN	01/14/2019
GLEN J. ANDERSON	12/19/2018
JOHN SHERRY	12/19/2018
BENJAMIN BAIR	01/28/2019
REBECCA CHIERICHETTI	01/29/2019
ANKUR AGRAWAL	01/28/2019
MENG SHI	12/20/2018

RECEIVING PARTY DATA

Name:	INTEL CORPORATION
Street Address:	2200 MISSION COLLEGE BLVD
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16263530

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.

Phone: 3125801020

Email: mciezczak@hfzlaw.com

Correspondent Name: HANLEY FLIGHT & ZIMMERMAN LLC Address Line 1: 150 SOUTH WACKER DRIVE SUITE 2200

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	AB6116-US
NAME OF SUBMITTER:	SCOTT D. SALMON
SIGNATURE:	/Scott D. Salmon/
DATE SIGNED:	02/01/2019

PATENT 505308417 REEL: 048216 FRAME: 0644

Total Attachments: 7 source=AB6116-US_Assignment_ALL#page1.tif source=AB6116-US_Assignment_ALL#page2.tif source=AB6116-US_Assignment_ALL#page3.tif source=AB6116-US_Assignment_ALL#page4.tif source=AB6116-US_Assignment_ALL#page5.tif source=AB6116-US_Assignment_ALL#page6.tif source=AB6116-US_Assignment_ALL#page7.tif

PATENT REEL: 048216 FRAME: 0645

Attorney Docket No.: AB6116-US

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s): $\mathcal{L}U \int_{\mathbb{R}^d} |\mathcal{L}| \mathcal{L}$

Pete Denman; Glen Anderson; John Sherry; Benjamin Bair; Rebecca Chierichetti; Ankur Agrawal; and Meng Shi

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

METHODS AND APPARATUS TO TRANSITION BETWEEN 2D AND 3D RENDERINGS OF AUGMENTED REALITY CONTENT

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on	January 31, 20			
United States		Application Number	16/263,530	and
COUNTRY or Inte			A*************************************	

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and

Page 1 of 2

Pete Denman	Date signed
Hen J. aublerson) 2 / /9 / / 8" Date signed
Glen/Anderson J. Wat 12/19/18	Date signed
John Sherry	Date signed
Benjamin Bair	Date signed
Rebecca Chierichetti	Date signed
Ankur Agrawal	Date signed
Meno Shi	Date signed

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Pete Denman	Date signed
Glen Anderson	Date signed
John Sherry	Date signed
BANBE	1/28/2019
Benjamin Bair	Date signed
Rebecca Chierichetti	Date signed
_ Q h	01/28/2019
Ankur Agrawal	Date signed
Meng Shi	Date signed

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the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

TA ATT	01/14/2019
Pete Denman	Date signed
Glen Anderson	Date signed
John Sherry	Date signed
Benjamin Bair	Date signed
Rebecca Chierichetti	Date signed
Ankur Agrawal	Date signed
Meng Shi	Date signed

Pete Denman	Date signed
Glen Anderson	Date signed
John Sherry	Date signed
Benjamin Bair	Date signed
Rebecca Chierichetti	1/29/2019 Date signed
Redecca Chieneneui	Date signed
Ankur Agrawal	Date signed
Meng Shi	Date signed

Pete Denman	Date signed
Glen Anderson John Sherry	Date signed
Benjamin Bair	Date signed
Rebecca Chierichetti	Date signed
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Pete Denman	Date signed
Glen Anderson	Date signed
John Sherry	Date signed
Benjamin Bair	Date signed
Rebecca Chierichetti	Date signed
Ankur Agrawal	Date signed
Mess Slo	12/20/2018
Meng Shi	Date signed