503998245 09/09/2016

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------|----------------|
| MINJE PARK | 01/28/2016 |
| TAE-HOON KIM | 01/28/2016 |
| MYUNG-HO JU | 01/28/2016 |
| JIHYEON YI | 01/28/2016 |
| XIAOLU SHEN | 01/28/2016 |
| LIDAN ZHANG | 01/28/2016 |
| QIANG LI | 01/28/2016 |

RECEIVING PARTY DATA

| Name: | INTEL CORPORATION |
|-----------------|--------------------------------|
| Street Address: | 2200 MISSION COLLEGE BOULEVARD |
| City: | SANTA CLARA |
| State/Country: | CALIFORNIA |
| Postal Code: | 95054 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15124811 |

CORRESPONDENCE DATA

Fax Number: (603)782-4378

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.

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Email: lunderhill@finchmaloney.com
Correspondent Name: FINCH & MALONEY PLLC

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| ATTORNEY DOCKET NUMBER: | P89785US |
|-------------------------|-----------------------------------|
| NAME OF SUBMITTER: | NEIL F. MALONEY, REG. NO. 42, 833 |
| SIGNATURE: | /Neil F. Maloney/ |
| DATE SIGNED: | 09/09/2016 |

503998245 PATENT REEL: 039686 FRAME: 0382

Total Attachments: 4

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PATENT REEL: 039686 FRAME: 0383

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

Minje Park, Tae-Hoon Kim, Myung-Ho Ju, Jihyeon Yi, Xiaolu Shen, Lidan Zhang and Qiang Li

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Sania 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 emitted:

AVATAR ANIMATION SYSTEM

| (I hereby authorize and | request any attorney ha | aving appropriate | authority from | the assignee | to insert on the |
|----------------------------|-----------------------------|---------------------|-----------------|--------------|------------------|
| designated lines below, th | ie filing date and applicat | tion number of sais | d application w | ien known.) | |

| STATE OF THE PROPERTY OF THE PROPERTY OF THE PARTY OF THE | December 18, 2015 as | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------|
| China | Application Number PCT/CN2015/09 | 7 <u>826</u> and |
| COUNTRY or Inter | national Office | |

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 filled in the United States and all other countries and international filling 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 filling offices on said inventions and improvements; and in and to all rights of priority resulting from the filling 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 pupers; communicate to said Assignee, its successors.

Page 1 of 2

assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and 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

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.

| | 200 20 3026 |
|-----------------|--------------|
| Minje Park | Date Signed |
| 7/1/- | |
| l'ae-Hoon Kim | Date Signed |
| | Box 28, 2016 |
| Myung-Ho Ju | Date Signed |
| <u>Alexania</u> | Jon 28 2016. |
| Jihyeon Yi | Date Signed |
| Xiaolu Shen | Date Signed |
| Lidan Zhang | Date Signed |
| Diang Li | Date Signed |

Page 2 of 2

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

Minje Park, Tae-Hoon Kim, Myung-Ho Ju, Jihyeon Yi, Xiaolu Shen, Lidan Zhang and Qiang Li

hereby sell, assign, and transfer to:

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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:

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| • | quest any attorney having appropria iling date and application number of s | - | |
|--------------------|-------------------------------------------------------------------------------|-------------------|-----|
| which was filed on | December 18, 2015 | as | |
| China | Ambication Number | PCT/CN2015/097826 | and |

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,

Page 1 of 2

assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and 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

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.

| | *************************************** |
|--------------|-----------------------------------------|
| Mirije Park | Date Signed |
| Tae-Hoon Kim | Date Signed |
| Myung-Ho Ju | Date Signed |
| Jihyeon Yi | Date Signed |
| Xiaolu Shen | Ima8, 2016 |
| Xiaolu Shen | Date Signed |
| Udan Thoma | Jan 78, 20/6 |
| Lidan Zhang | Date Signed |
| Qiang Li | Jan. 28, 2016 |
| Qiang Li // | Date Signed |

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