PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4113284

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
|------------------|---|
| | Corrective Assignment to correct the ZIP CODE OF RECEIVING PARTY WUHAN UNIVERSITY SHOULD READ 430072 previously recorded on Reel 039821 Frame 0647. Assignor(s) hereby confirms the ZIP CODE OF RECEIVING PARTY WUHAN UNIVERSITY ORIGINALLY READ 15272199 |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------|----------------|
| ZHILI | 08/19/2016 |
| BO ZHAO | 08/31/2016 |
| YONGKANG FEI | 09/21/2016 |

RECEIVING PARTY DATA

| Name: | Huawei Technologies Co., Ltd. |
|-------------------|--------------------------------|
| Street Address: | Huawei Administration Building |
| Internal Address: | Bantian, Longgang District |
| City: | Shenzhen, Guangdong |
| State/Country: | CHINA |
| Postal Code: | 518129 |
| Name: | WUHAN UNIVERSITY |
| Street Address: | WUHAN UNIVERSITY LUOJIA HILL |
| Internal Address: | WUCHANG DISTRICT, HUBEI |
| City: | WUHAN |
| State/Country: | CHINA |
| Postal Code: | 430072 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15272199 |

CORRESPONDENCE DATA

| Fax Number: | (312)616-5700 | |
|--|----------------------------------|--|
| 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: | (312) 616-5600 | |
| Email: | assignments@leydig.com | |
| Correspondent Name: | LEYDIG, VOIT & MAYER, LTD. | |
| Address Line 1: | TWO PRUDENTIAL PLAZA, SUITE 4900 | |

| | 0 NORTH STETSON AVENUE HCAGO, ILLINOIS 60601-6731 |
|---|--|
| ATTORNEY DOCKET NUMBER: | HW726273 |
| NAME OF SUBMITTER: | EUNICE RUIZ |
| SIGNATURE: | /Eunice Ruiz/ |
| DATE SIGNED: | 10/25/2016 |
| Total Attachments: 5 source=Assignment2#page1.tif source=Assignment2#page2.tif source=Assignment2#page3.tif source=Assignment2#page4.tif source=CoverSheet#page1.tif | |

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4063052

| SUBMISSION TYPE: | | NEW ASSIGNMENT | |
|--------------------|-----------|--------------------------------|----------------|
| VATURE OF CONVEY | ANCE: | E: ASSIGNMENT | |
| CONVEYING PARTY | DATA | | |
| | | Name | Execution Date |
| ZHILI | ZHILI | | 08/19/2016 |
| BO ZHAO | | | 08/31/2016 |
| YONGKANG FEI | | | 09/21/2016 |
| RECEIVING PARTY I | ΟΑΤΑ | | |
| Name: | Huaw | Huawei Technologies Co., Ltd. | |
| Street Address: | Huaw | Huawei Administration Building | |
| Internal Address: | Bantia | Bantian, Longgang District | |
| City: | Shen | Shenzhen, Guangdong | |
| State/Country: | CHIN | CHINA | |
| Postal Code: | 51812 | 518129 | |
| Name: | WUH | WUHAN UNIVERSITY | |
| Street Address: | WUH | WUHAN UNIVERSITY LUOJIA HILL | |
| Internal Address: | WUC | WUCHANG DISTRICT, HUBEI | |
| City: | WUH | WUHAN | |
| State/Country: | CHINA | | |
| Postal Code: | 15272 | 15272199 | |
| PROPERTY NUMBER | RS Total: | 1 | |
| Property Typ | e | Number | |
| Application Number | | 15272199 | |

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

| Phone: | (312) 616-5600 |
|---------------------|----------------------------------|
| Email: | assignments@leydig.com |
| Correspondent Name: | LEYDIG, VOIT & MAYER, LTD. |
| Address Line 1: | TWO PRUDENTIAL PLAZA, SUITE 4900 |
| Address Line 2: | 180 NORTH STETSON AVENUE |
| Address Line 4: | CHICAGO, ILLINOIS 60601-6731 |
| | |

ASSIGNMENT

WHEREAS, WE,

Zhi U

Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. China; and Bo ZHAO Wuhan University Luojia Hill, Wuchang District, Wuhan 430072, Hubei, China; and

Yongkang FEI Wuhan University Luojia Hill, Wuchang District, Wuhan 430072, Hubel, China.

September 21, 2016

15/272,199

WHEREAS,

HUAWEI TECHNOLOGIES CO., LTD., of Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China,

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WUHAN UNIVERSITY, of Wuhan University Luojia Hill, Wuchang District,

Wuhan 430072, Hubei, China.

hereinafter referred to as Assignees, are desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignees and the Assignees' legal representatives, successors and assigns the full and exclusive rights in and to the invention in the United States and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignees agreeably with the terms of this assignment document.

> PATENT REEL: 040478 FRAME: 0984

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In re Appln. of LI et al. Attorney Docket No. <u>HW7262</u>73

WE HEREBY AUTHORIZE the Assignees to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

WE DO HEREBY COVENANT and agree with the Assignees that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignees, execute such additional assignments and other writings and do such additional acts as the Assignees may deem necessary or desirable to perfect the Assignees' enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

| Date Ang 19, 2016 | Zhi LI | |
|-------------------|--------------|--|
| J | Zhi LI | |
| Date | | |
| | Bo ZHAO | |
| Date | | |
| | Yongkang FEI | |

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In re Applit, of LL et al. Automey Docket No. HW726273

WE HEREBY AUTHORIZE the Assignces to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

WE DO HEREBY COVENANT and agree with the Assignees that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignees, execute such additional assignments and other writings and do such additional acts as the Assignees may deem necessary or desirable to perfect the Assignees' enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in anforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and imme to the benefit of, the assignee and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have bereander set our hands on the dates shown below.

2811

Date_____

Data <u>Mg ,31, 2416</u>

<u>0, Muec</u>

Bo ZHAO

Date

Yongkang FEI

In re Appln. of LI et al. Attorney Docket No. <u>HW726273</u>

WE HEREBY AUTHORIZE the Assignees to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

WE DO HEREBY COVENANT and agree with the Assignees that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignees, execute such additional assignments and other writings and do such additional acts as the Assignees may deem necessary or desirable to perfect the Assignees' enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

| Date | Zhi LJ |
|-------------------|--------------|
| Date | Bo ZHAO |
| Date Sep 21, 2016 | Yongkang FEI |