504181505 01/17/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

on v1.1 EPAS ID: PAT4229138

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------|----------------|
| CHAOJUN LI | 07/08/2015 |
| SHA MA | 07/11/2015 |

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 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14800463 |

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

Address Line 2: 180 N. STETSON AVENUE

Address Line 4: CHICAGO, ILLINOIS 60601-6731

| ATTORNEY DOCKET NUMBER: | HW721345 |
|-------------------------|------------------|
| NAME OF SUBMITTER: | LEANNA BULTEMA |
| SIGNATURE: | /Leanna Bultema/ |
| DATE SIGNED: | 01/17/2017 |

Total Attachments: 4

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PATENT 504181505 REEL: 040992 FRAME: 0637

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PATENT REEL: 040992 FRAME: 0638

Attorney Docket No. <u>HW721345</u> Client Reference No. 83693523US04

ASSIGNMENT

WHEREAS, WE,

Chaojun LI Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and Sha MA Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA:

have invented and own a certain invention entitled:

RADIO COMMUNICATION METHOD, NETWORK SIDE DEVICE AND USER EQUIPMENT

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on <u>07/25/2015</u>, under U.S. Application No. and 14/800.463

WHEREAS, HUAWEI TECHNOLOGIES CO., LTD., of Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China, hereinafter referred to as Assignee, is 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 Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. 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 Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee 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 Assignee 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 Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's 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

PATENT REEL: 040992 FRAME: 0639 In re Appln. of Li et al. Attorney Docket No. <u>HW7213</u>45

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 WITTNESS WHEREOF, We have hereunder set our hands on the dates shown below.

| Date July 8, 2015 | Chanjun LI Chaojun LI |
|-------------------|-----------------------|
| Date | Sha MA |

Attorney Docket No. <u>HW721345</u> Client Reference No. 83693523US04

ASSIGNMENT

WHEREAS, WE,

Chaojun LI Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and Sha MA Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA:

have invented and own a certain invention entitled:

RADIO COMMUNICATION METHOD, NETWORK SIDE DEVICE AND USER EQUIPMENT

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on <u>07/15/2015</u>, under U.S. Application No. and 14/800 463

WHEREAS, HUAWEI TECHNOLOGIES CO., LTD., of Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China, hereinafter referred to as Assignee, is 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 Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. 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 Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee 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 Assignee 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 Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's 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

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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 WITTNESS WHEREOF, We have hereunder set our hands on the dates shown below.

| Date _ | | | Chaojun LI | ······································ |
|--------|------|----------|------------------|--|
| Date _ | July | 11, 2015 | Sha MA Sha MA | |