

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | |
|--|--------------------------------|---------------|-------------------------------|---------------------|--------------------------------|-------------------|----------------------------|---------------|------------|----------------|------------|--------------|------------|--------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Shujun DANG</td> <td>11/01/2012</td> </tr> <tr> <td>Sha MA</td> <td>10/31/2012</td> </tr> <tr> <td>Xianghua WANG</td> <td>10/27/2012</td> </tr> <tr> <td>Tianle DENG</td> <td>10/29/2012</td> </tr> <tr> <td>Xiaobo CHEN</td> <td>10/30/2012</td> </tr> <tr> <td>Chengyu WANG</td> <td>10/30/2012</td> </tr> </tbody> </table> | | Name | Execution Date | Shujun DANG | 11/01/2012 | Sha MA | 10/31/2012 | Xianghua WANG | 10/27/2012 | Tianle DENG | 10/29/2012 | Xiaobo CHEN | 10/30/2012 | Chengyu WANG | 10/30/2012 |
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| RECEIVING PARTY DATA | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>Huawei Technologies Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>Huawei Administration Building</td> </tr> <tr> <td>Internal Address:</td> <td>Bantian, Longgang District</td> </tr> <tr> <td>City:</td> <td>Shenzhen</td> </tr> <tr> <td>State/Country:</td> <td>CHINA</td> </tr> <tr> <td>Postal Code:</td> <td>518129</td> </tr> </table> | | Name: | Huawei Technologies Co., Ltd. | Street Address: | Huawei Administration Building | Internal Address: | Bantian, Longgang District | City: | Shenzhen | State/Country: | CHINA | Postal Code: | 518129 | | |
| Name: | Huawei Technologies Co., Ltd. | | | | | | | | | | | | | | |
| Street Address: | Huawei Administration Building | | | | | | | | | | | | | | |
| Internal Address: | Bantian, Longgang District | | | | | | | | | | | | | | |
| City: | Shenzhen | | | | | | | | | | | | | | |
| State/Country: | CHINA | | | | | | | | | | | | | | |
| Postal Code: | 518129 | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13685457</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13685457 | | | | | | | | | | |
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| Application Number: | 13685457 | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | |
| <p>Fax Number: 4692775901</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: uspatent@huawei.com</p> <p>Correspondent Name: Huawei Technologies Co., Ltd.</p> <p>Address Line 1: Huawei Administration Building</p> <p>Address Line 2: Bantian, Longgang District</p> <p>Address Line 4: Shenzhen, CHINA 518129</p> | | | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 81379667US16 | | | | | | | | | | | | | | |

CH \$40.00 13685457

NAME OF SUBMITTER:

Li Qiong Tian

Total Attachments: 15

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PATENT

Attorney Docket No. _____
Client Reference No. 81379667U516

ASSIGNMENT

WHEREAS, WE,

Shujun DANG
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; and

Xianghua WANG
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
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Xiaobo CHEN
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Shenzhen, 518129, Guangdong
P.R. CHINA; and

Chengyu WANG
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA;

have invented and own a certain invention entitled:
METHOD FOR ALLOCATING TIME AND FREQUENCY RESOURCE FOR RESOURCE
REQUEST INDICATOR, METHOD FOR TRANSMITTING RESOURCE REQUEST
INDICATOR AND DEVICE THEREOF
for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on _____, under U.S. Application No. _____ and

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.

In re Appln. of Dang et al.
Attorney Docket No. _____

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

Date Nov 1, 2012

Dang Shujun
Shujun DANG

Date Nov 1, 2012

Zhang Shengyun
Witness

Date NOV. 1, 2012

Zhanghua 张华
Witness

Date _____

Sha MA

Date _____

Witness

Date _____

Witness

Date _____

Xianghua WANG

Date _____

Witness

Date _____

Witness

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Date _____
Tianle DENG

Date _____
Witness

Date _____
Witness

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Date _____
Xiaobo CHEN

Date _____
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Date _____
Shujun DANG

Date _____
Witness

Date _____
Witness

Date Oct. 31, 2012
Sha MA

Date Oct. 31, 2012
Qiang WU

Date Oct. 31, 2012
JianQin Liu

Date _____
Xianghua WANG

Date _____
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Date 10/27/2012
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Witness Jian Sheng Zhang

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Tianle DENG
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Witness

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Yingshu LI
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