

PATENT ASSIGNMENT

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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>Mattias Frenne</td> <td>06/04/2013</td> </tr> <tr> <td>Anahid Robert Safavi</td> <td>05/29/2013</td> </tr> <tr> <td>Jianghua Liu</td> <td>05/31/2013</td> </tr> </tbody> </table>		Name	Execution Date	Mattias Frenne	06/04/2013	Anahid Robert Safavi	05/29/2013	Jianghua Liu	05/31/2013				
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Jianghua Liu	05/31/2013												
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, Bantian</td> </tr> <tr> <td>Internal Address:</td> <td>Longgang District, Guangdong</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, Bantian	Internal Address:	Longgang District, Guangdong	City:	Shenzhen	State/Country:	CHINA	Postal Code:	518129
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CORRESPONDENCE DATA													
<p>Fax Number: 9727329218 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: docketing@slater-matsil.com</p> <p>Correspondent Name: Slater & Matsil, L.L.P.</p> <p>Address Line 1: 17950 Preston Rd.</p> <p>Address Line 2: Suite 1000</p> <p>Address Line 4: Dallas, TEXAS 75252</p>													
ATTORNEY DOCKET NUMBER:	HW 82870334US05												
NAME OF SUBMITTER:	Alicia Greene												
Signature:	/Alicia Greene/												

502456887

PATENT
 REEL: 031001 FRAME: 0621

CH \$40.00 13991875

Date:

08/13/2013

Total Attachments: 6

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PATENT

Attorney Docket No. _____
Client Reference No. 82870334US05

ASSIGNMENT

WHEREAS, WE,

Mattias FRENNE	Anahid Robert Safavi
Arkeologvägen 20 S-754 43	Floor 3, 4 Skalholtsgatan 9-11 Box
Uppsala; and	54, SE-164 40 Kista, Sweden; and

Jianghua LIU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA;

have invented and own a certain invention entitled:
METHOD AND APPARATUS OF WIRELESS COMMUNICATIONS
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.

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

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

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 Jun 04, 2013

Mattias Frenne
Mattias FRENNE

Date Jun 04, 2013

John Long
Witness

Date Jun 04, 2013

[Signature]
Witness

=====

Date _____

Anahid Robert Safavi

Date _____

Witness

Date _____

Witness

=====

Date _____

Jianghua LIU

Date _____

Witness

Date _____

Witness

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

Date _____
Matias FRENNE

Date _____
Witness

Date _____
Witness

Date 29.05.2013
Safavi Ahahid Robert

Date 29.05.2013
Weijun SUN
Witness

Date 29.05.2013
P. B. Sabati
Witness

Date _____
Jianghua LIU

Date _____
Witness

Date _____
Witness

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Mattias FRENNE

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Date _____
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Date _____
Anahid Robert Safavi

Date _____
Witness

Date _____
Witness

Date May, 31, 2013
Jianghua LIU
Jianghua LIU

Date May, 31, 2013
Leiming ZHANG
Witness

Date May, 31, 2013
Qiang WU
Witness