

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>Fredrik Berggren</td> <td>09/07/2012</td> </tr> <tr> <td>Mattias Frenne</td> <td>09/07/2012</td> </tr> <tr> <td>Branislav Popovic</td> <td>09/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Fredrik Berggren	09/07/2012	Mattias Frenne	09/07/2012	Branislav Popovic	09/10/2012				
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<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>Guangdong, 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:	Guangdong, Shenzhen	State/Country:	CHINA	Postal Code:	518129
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number: 9727329218 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 972 732 1001 Email: docketing@slater-matsil.com Correspondent Name: Slater & Matsil, L.L.P. Address Line 1: 17950 Preston Road, Suite 1000 Address Line 4: Dallas, TEXAS 75252													
ATTORNEY DOCKET NUMBER:	HW 82872194US02												
NAME OF SUBMITTER:	Alicia Greene												
Total Attachments: 6 source=82872194US02 Assignment#page1.tif													

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source=82872194US02 Assignment#page6.tif

PATENT

Attorney Docket No. _____
Client Reference No. 82872194US02

ASSIGNMENT

WHEREAS, WE,

Fredrik BERGGREN Floor 3, 4 Skalholtsgatan 9-11 Box 54, SE-164 40 Kista, Sweden; and	Mattias FRENNE Arkeologvägen 20 , 75443 Uppsala, Sweden; and
--	--

Branislav POPOVIC
Floor 3, 4 Skalholtsgatan 9-11 Box
54, SE-164 40 Kista, Sweden;

have invented and own a certain invention entitled:
UPLINK CONTROL INFORMATION TRANSMISSION
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
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

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

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 2012-09-07

Fredrik Berggren
Fredrik BERGGREN

Date 2012-03-07

Peter Salusti
Witness

Date 2012-09-07

Anahid Robert
Witness

=====

Date _____

Mattias FRENNE

Date _____

Witness

Date _____

Witness

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Date _____

Branislav POPOVIC

Date _____

Witness

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Witness

Date _____
Witness

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Date 2012-09-07
Mattias FRENNE *Mattias Frenne*

Date 2012-09-07
Witness *Mattias Frenne*

Date 2012-09-07
Witness *Bil Frenne*

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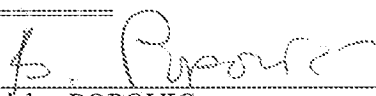
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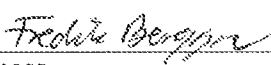
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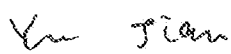
Date _____
Mattias FRENNE

Date _____
Witness

Date _____
Witness

Date 20120510

Branislav POPOVIC

Date 20120910

Witness

Date 20120910

Witness