

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2672055

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>YING LIU</td> <td>12/26/2013</td> </tr> <tr> <td>DELEI YU</td> <td>12/26/2013</td> </tr> <tr> <td>SHIHUI HU</td> <td>12/26/2013</td> </tr> <tr> <td>FENGKAI LI</td> <td>12/26/2013</td> </tr> </tbody> </table>		Name	Execution Date	YING LIU	12/26/2013	DELEI YU	12/26/2013	SHIHUI HU	12/26/2013	FENGKAI LI	12/26/2013
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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, BANTIAN, LONGGANG DISTRICT</td> </tr> <tr> <td>City:</td> <td>SHENZHEN, GUANGDONG</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, LONGGANG DISTRICT	City:	SHENZHEN, GUANGDONG	State/Country:	CHINA	Postal Code:	518129
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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>14149221</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14149221						
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CORRESPONDENCE DATA											
Fax Number:	(202)434-1501										
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ATTORNEY DOCKET NUMBER:	2382.1197										
NAME OF SUBMITTER:	GENE M. GARNER II, REG. 34,172										

Signature:	/Gene M. Garner II/
Date:	01/08/2014
Total Attachments: 2 source=assignment#page1.tif source=assignment#page2.tif	

PATENT

Attorney Docket No. _____
Client Reference No. 83149395US04

ASSIGNMENT

WHEREAS, WE,

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

Delei YU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Shihui HU
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA; and

Fengkai LI
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA;

have invented and own a certain invention entitled:
METHOD FOR VIRTUAL PRIVATE CLOUD TO ACCESS NETWORK, NETWORK SIDE
DEVICE AND DATA CENTER DEVICE
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 Liu 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 December 26, 2013

Ying LIU
 Ying LIU

Date December 26, 2013

Delei YU
 Delei YU

Date December 26, 2013

Shihui HU
 Shihui HU

Date December 26, 2013

Fengkai LI
 Fengkai LI