

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2660831

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>JUNJUN SONG</td> <td>12/24/2013</td> </tr> <tr> <td>YONG CHEN</td> <td>12/24/2013</td> </tr> <tr> <td>HANCHENG DING</td> <td>12/24/2013</td> </tr> </tbody> </table>		Name	Execution Date	JUNJUN SONG	12/24/2013	YONG CHEN	12/24/2013	HANCHENG DING	12/24/2013				
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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, 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	Internal Address:	BANTIAN, LONGGANG DISTRICT	City:	SHENZHEN, GUANGDONG	State/Country:	CHINA	Postal Code:	518129
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PROPERTY NUMBERS Total: 1													
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Application Number:	14140988												
CORRESPONDENCE DATA													
Fax Number:	(312)616-5700												
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Correspondent Name:	LEYDIG, VOIT & MAYER, LTD.												
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Address Line 4:	CHICAGO, ILLINOIS 60601-6731												
ATTORNEY DOCKET NUMBER:	HW715786												
NAME OF SUBMITTER:	GERALD T. GRAY												

Signature:	/Gerald T. Gray, Reg. No. 41,797/
Date:	12/26/2013
Total Attachments: 2 source=715786Assignment#page1.tif source=715786Assignment#page2.tif	

PATENT

Attorney Docket No. HW715786
Client Reference No. 83035831U504

ASSIGNMENT

WHEREAS, WE,

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

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

Hancheng DING
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R. CHINA;

have invented and own a certain invention entitled:
**METHOD AND APPARATUS FOR INTERCEPTING MULTICAST PROTOCOL PACKET
AND SWITCH**

for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on 12/26/2013 under U.S. Application No. _____ and
14/140,988

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 Song et al.
Attorney Docket No. HW715786

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 Dec 24. 2013

Junjun SONG
Junjun SONG

Date Dec 24. 2013

Yong CHEN
Yong CHEN

Date Dec 24. 2013

Hancheng DING
Hancheng DING