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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHUNWAN ZHUANG	05/18/2017
ZHENBIN LI	05/18/2017
BAOHUA SONG	05/18/2017
YUANBIN YIN	05/18/2017
GUOYI CHEN	05/18/2017

RECEIVING PARTY DATA

Name:	Huawei Technologies Co., Ltd.	
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Internal Address:	Bantian, Longgang District	
City:	Shenzhen, Guangdong	
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Postal Code:	518129	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15412890

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	HW727649
NAME OF SUBMITTER:	JOHN B. CONKLIN
SIGNATURE:	/John B. Conklin/
DATE SIGNED:	08/07/2017

PATENT REEL: 043478 FRAME: 0060 504491526

Total Attachments: 2

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PATENT REEL: 043478 FRAME: 0061

Attorney Docket No. HW727649 Client Reference No. 84098918US04

ASSIGNMENT

WHEREAS, WE,

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

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

Guoyi Chen Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; Zhenbin Li Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA: and

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

have invented and own a certain invention entitled:

NETWORK DEVICE AND METHOD FOR SENDING BGP INFORMATION

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2017-01-23, under U.S. Application No. 15412890 and

WHEREAS, HUAWEI TECHNOLOGIES CO.,LTD., 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.

PATENT REEL: 043478 FRAME: 0062 In re Appln. of Zhuang et al. Attorney Docket No. <u>HW727649</u>

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 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 May 18, 2017	Shunwan Zhuang
Date May 18,2017	Shunwan Zhuang Zhenbin Li
Date Mary 18, 2017	Zhenbin Li Bashua Song
Date May 18, 2.17	Baohua Song Yuanbin Yin Yuanbin Yin
Date May 18, 2017	Guoyi Chen