

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YINGJIE GU	10/11/2011
XINGFENG JIANG	10/11/2011
HAIBIN SONG	10/11/2011
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<b>Internal Address:</b>	Bantian, Longgang District
<b>City:</b>	Shenzhen, Guangdong
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	518129
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15811144
<b>Application Number:</b>	14543381
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	HW736257
<b>NAME OF SUBMITTER:</b>	MARALEA ACHACOSO
<b>SIGNATURE:</b>	/Maralea Achacoso/
<b>DATE SIGNED:</b>	02/26/2020
<b>Total Attachments: 2</b>	

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PATENT

Attorney Docket No. \_\_\_\_\_  
Client Reference No. 0911224US

ASSIGNMENT

WHEREAS, WE,

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

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

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

have invented and own a certain invention entitled:

PEER ENROLLMENT METHOD, ROUTE UPDATING METHOD, COMMUNICATION SYSTEM, AND RELEVANT DEVICES  
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

In re Appln. of Gu et al.  
Attorney Docket No. \_\_\_\_\_

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 Oct. 11. 2011 Yingjie Gu  
Yingjie GU

Date Oct. 11. 2011 Li Chungiang  
Witness

Date Oct. 11. 2011 Ning Zong  
Witness

Date Oct. 11. 2011 Xingfeng JIANG  
Xingfeng JIANG

Date Oct. 11. 2011 Li Chungiang  
Witness

Date Oct. 11. 2011 Ning Zong  
Witness

Date Oct. 11. 2011 Haibin SONG  
Haibin SONG

Date Oct. 11. 2011 Li Chungiang  
Witness

Date Oct. 11. 2011 Ning Zong  
Witness