07/12/2019 505569803

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5616600

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LIANG MA	06/06/2019
CHEN ZHENG	06/06/2019
YUEJUN WEI	06/06/2019
XIN ZENG	06/10/2019
XIAOJIAN LIU	08/01/2018

RECEIVING PARTY DATA

Name:	Huawei Technologies Co., Ltd.	
Street Address:	Huawei Administration Building	
Internal Address:	Bantian, Longgang District	
City:	Shenzhen, Guangdong	
State/Country:	CHINA	
Postal Code:	518129	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16234138

CORRESPONDENCE DATA

Fax Number: (312)616-5700

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (312) 616-5600

Email: assignments@leydig.com

Correspondent Name: LEYDIG, VOIT & MAYER, LTD.

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Address Line 2: 180 NORTH STETSON AVENUE Address Line 4: CHICAGO, ILLINOIS 60601-6731

ATTORNEY DOCKET NUMBER:	HW741405
NAME OF SUBMITTER:	KAJAL AMIN
SIGNATURE:	/KAJAL AMIN/
DATE SIGNED:	07/12/2019

PATENT REEL: 049743 FRAME: 0535 505569803

Total Attachments: 6 source=Assignments#page1.tif source=Assignments#page2.tif source=Assignments#page3.tif source=Assignments#page4.tif source=Assignments#page5.tif source=Assignments#page6.tif

PATENT REEL: 049743 FRAME: 0536

PATENT:

Attorney Docket No. HW741405 Client Reference No. 85466785US05

ASSIGNMENT

WHEREAS, WE,

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

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

Yuejun Wei Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; Xin Zeng Huawei Administration Building Bantian, Longgang District

Shenzhen, 518129, Guangdong P.R.CHINA; and

Xiaojian Liu

Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA; and

have invented and own a certain invention entitled:

INFORMATION PROCESSING METHOD, APPARATUS, COMMUNICATIONS DEVICE, AND COMMUNICATIONS SYSTEM

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2018-12-27, under U.S. Application No. 16234138 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.

In re Appln. of Ma et al. Attorney Docket No. HW741405

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 June, 6, 2019	Liang Ma Liang Ma
Date	Xin Zeng
Date_June, 6, 2019	Chen Zheng Chen Zheng
Date	Xiaojian Liu
Date June 6, 2019	Ynejnn Wei Yuejun Wei

ASSIGNMENT

WHEREAS, WE,

Liang Ma Huawei Administration Building Bantian, Longgang District Shenzben, 518129, Guangdong P.R.CHINA; and

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

Yuejum Wei Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA: Xin Zeng

Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA: and

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

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IN WITNESS WHEREOF, We have hereunder set our hands on the dates shown below.

Date	
	Liang Ma
Date June 10, 2019	Xm Zong
	Xin Zeng
Date	
	Chen Zheng
Date	
	Xiaojian Liu
Date	
	Yugun Wei

ASSIGNMENT

WHEREAS, WE,

Liang Ma Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA; and

Chen Zheng

Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA; and

Yuejun Wei

Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA;

Xin Zeng

Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA; and

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PATENT REEL: 049743 FRAME: 0541 In re Appln. of Ma et al. Attorney Docket No. HW741405

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IN WITNESS WHEREOF, We have hereunder set our hands on the dates shown below.

Date	
	Liang Ma
Date	
	Xin Zeng
Date	
Date	Chen Zheng
	Chen Zheng
Date Aug 1, 2018	graven In
_	Xiaojian Liu
Date	
	Yuejun Wei