12/11/2017 504680350

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HAO LONG	11/22/2017
DEJUN LI	11/13/2017
XIAODONG LI	11/13/2017
MAURIZIO MATTIVI	11/22/2017
ITALO BUSI	11/29/2017

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:	15686440

CORRESPONDENCE DATA

Fax Number: (972)732-9218

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: (972)732-1001

docketing@slatermatsil.com Email:

Correspondent Name: SLATER MATSIL, LLP 17950 PRESTON ROAD Address Line 1:

Address Line 2: **SUITE 1000**

Address Line 4: DALLAS, TEXAS 75252

ATTORNEY DOCKET NUMBER:	HW 84315999US04
NAME OF SUBMITTER:	JENNIFER RUBIO
SIGNATURE:	/Jennifer Rubio/
DATE SIGNED:	12/11/2017

PATENT REEL: 044351 FRAME: 0052 504680350

Total Attachments: 10 source=HW 84315999US04 Assignment as filed 2017-12-11#page1.tif source=HW 84315999US04 Assignment as filed 2017-12-11#page2.tif source=HW 84315999US04 Assignment as filed 2017-12-11#page3.tif source=HW 84315999US04 Assignment as filed 2017-12-11#page4.tif source=HW 84315999US04 Assignment as filed 2017-12-11#page5.tif source=HW 84315999US04 Assignment as filed 2017-12-11#page6.tif source=HW 84315999US04 Assignment as filed 2017-12-11#page7.tif source=HW 84315999US04 Assignment as filed 2017-12-11#page8.tif source=HW 84315999US04 Assignment as filed 2017-12-11#page9.tif source=HW 84315999US04 Assignment as filed 2017-12-11#page9.tif

PATENT REEL: 044351 FRAME: 0053

ASSIGNMENT

WHEREAS, WE,

Hao Long
C/Federico mompou 5, Edificio
1, planta 5, LAS TABLAS
Madrid, Madrid 28050, Spain; and

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

Italo Busi Palazzo Verrocchio, 3zo Piano Centro Direzionale Milano 2, 20090 Segrate (MI), Milan, Italy; Dejun Li Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and

Maurizio Mattivi Palazzo Verrocchio, 3zo Piano Centro Direzionale Milano 2, 20090 Segrate (MI), Milan, Italy; and

have invented and own a certain invention entitled:

FREQUENCY ALLOCATION METHOD, CONTROL DEVICE, AND SYSTEM IN MICROWAVE NETWORK

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2017-08-25, under U.S. Application No. 15686440 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.

In	re App	dn. (of L	ong	et	al.	
A٤	tomey	Doc	ket	No.			

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.

Date	Nov. 22	4.2017		Han Lang	
			1.34	Han Long Hao Long	
Date				 	
				Dejun Li	
				Xiaodong Li	
				Maurizio Mattivi	
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ln re App	ln. of	Long	et	al.	
Attorney					

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Date	
	Hao Long
Date NoV 13, 201	Dejun Li Dejun Li
Date	
	Xiaodong Li
Date	
	Maurizio Mattivi
Date	
	Italo Busi

ASSIGNMENT

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Hao Long
C/Federico mompou 5, Edificio
1, planta 5, LAS TABLAS
Madrid, Madrid 28050, Spain; and

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

Italo Busi Palazzo Verrocchio, 3zo Piano Centro Direzionale Milano 2, 20090 Segrate (MI), Milan, Italy; Dejun Li Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and

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In re App	ln. of Long	et al.
Attorney	Docket No.	

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Date	
	Hao Long
Date	
	Dejun Li
Date_ Nov 13, 2013	Xiao dong Li Xiaodong Li
	Xiaodong Li
ъ.,	
Date	
	Maurizio Mattivi
Date	
	Italo Busi

ASSIGNMENT

WHEREAS, WE,

Hao Long C/Federico mompou 5, Edificio 1, planta 5, LAS TABLAS Madrid, Madrid 28050, Spain: and

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

Italo Busi Palazzo Verrocchio, 3zo Piano Centro Direzionale Milano 2, 20090 Segrate (MI), Milan, Italy; Dejun Li

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

Maurizio Mattivi Palazzo Verrocchio, 3zo Piano Centro Direzionale Milano 2, 20090 Segrate (MI), Milan, Italy; and

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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.

1

PATENT REEL: 044351 FRAME: 0060

In re Appln. of L	ong et al.
Attorney Docket	No.

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

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Date	Hao Long
Date	Dejun Li
Date	Xiaodong Li
Date Nov 22", 2017	Maurizio Mattivi
Date	Italo Busi

ASSIGNMENT

WHEREAS, WE,

Hao Long
C/Federico mompou 5. Edificio
1, planta 5. LAS TABLAS
Madrid, Madrid 28050, Spain;
and
Xiaodong Li
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R.CHINA; and
Italo Busi
Palazzo Verrocchio, 3zo Piano
Centro Direzionale Milano 2,
20090 Segrate (MI), Milan, Italy;

Dejun Li
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R.CHINA; and
Maurizio Mattivi
Palazzo Verrocchio, 3zo Piano
Centro Direzionale Milano 2,

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Date	Hao Long
Date	Dejun Li
Date	Xiaodong Li
Date	Maurizio Mattivi
Date 24/11/2013-	1talo Busi