## 505006850 07/17/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5053598

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DANIEL MEDINA	04/23/2018
LIANG HU	05/14/2018
HOLGER ROSIER	05/04/2018
SERKAN AYAZ	04/23/2018

### **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:	15783552

# **CORRESPONDENCE DATA**

#### Fax Number:

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.

Email: nahmad@s-n-h.com
Correspondent Name: STAAS & HALSEY, LLP

Address Line 1: 1201 NEW YORK AVENUE, N.W. Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER: 2520.1324

NAME OF SUBMITTER: GENE M. GARNER, II, REG. NO. 34,172

SIGNATURE: /Gene M. Garner II/

DATE SIGNED: 07/17/2018

**Total Attachments: 6** 

source=Assignment#page1.tif source=Assignment#page2.tif

> PATENT REEL: 046369 FRAME: 0515

505006850



# Attorney Docket No. Client Reference No. 84383394US04

#### ASSIGNMENT

### WHEREAS, WE,

Daniel Medina

Huawei Technologies Duesseldorf

GmbH, European Research Center, Riesstr. 25, 80992

München, Germany; and

Holger Rosier

Huawei Technologies Duesseldorf

GmbH, European Research Center, Riesstr. 25, 80992

München, Germany; and

Liang Hu

Huawei Administration Building

Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA; and

Serkan Ayaz

Huawci Technologies Duesseldorf

GmbH, European Research Center, Riesstr. 25, 80992

München, Germany;

have invented and own a certain invention entitled:

Wireless communication device and method

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2017-10-13, under U.S. Application No. 15783552 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.

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 Medina et al. Attorney Docket No	
perfect the Assignee's enjoyment of this a making application for and obtaining origi reissued, reexamined, and National phase pa on the invention, and in enforcing any right applications or patents, and by executing st	s the Assignee may deem necessary or desirable to ssignment, and render all necessary assistance in nal, continuation, continuation-in-part, divisional, attents of the U.S. or of any and all foreign countries to or chooses in action accruing as a result of such attements and other affidavits, it being understood shall bind, and inure to the benefit of, the assigns o.
IN WITNESS WHEREOF, We have hereunder set our hands on the dates shown below.	
Date 23, 4, 2018	Daniel Medina
Date	Liang Hu
Date	Holger Rosier
Date 23.04.2018	<u> </u>
	Serkan Ayaz

# Attorney Docket No. Client Reference No. 84383394US04

#### ASSIGNMENT

### WHEREAS, WE,

Daniel Medina Liang Hu

Huawei Technologies Duesseldorf Huawei Administration Building

GmbH, European Research Bantian, Longgang District Center, Riesstr. 25, 80992 Shenzhen, 518129, Guangdong

München, Germany; and P.R.CHINA; and

Holger Rosier Serkan Ayaz

Huawei Technologies Duesseldorf Huawei Technologies Duesseldorf

GmbH, European Research Center, Riesstr. 25, 80992 GmbH, European Research Center, Riesstr. 25, 80992

München, Germany; and München, Germany;

have invented and own a certain invention entitled:

Wireless communication device and method

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2017-10-13, under U.S. Application No. 15783552 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.

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

Attorney Docket No.
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.
n.

Daniel Medina

Liang Hu

Holger Rosier

Serkan Ayaz

In re Appln. of Medina et al.

Date 2018-5-14

Date

Date

# Attorney Docket No. Client Reference No. 84383394US04

## ASSIGNMENT

#### WHEREAS, WE,

Daniel Medina Liang Hu

Huawei Technologies Duesseldorf
GmbH, European Research
Center, Riesstr. 25, 80992

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

München, Germany; and P.R.CHINA; and

Holger Rosier Serkan Ayaz

Huawei Technologies Duesseldorf
GmbH, European Research
Center, Riesstr. 25, 80992

Minches General August 125, 80992

Huawei Technologies Duesseldorf
GmbH, European Research
Center, Riesstr. 25, 80992

München, Germany; and München, Germany;

have invented and own a certain invention entitled:

Wireless communication device and method

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2017-10-13, under U.S. Application No. 15783552 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.

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

In re Appln. of Medina 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	Daniel Medina	
Date	Liang Hu	
Date <u>01- May -</u> 2018	Rosier Rosier	

Serkan Ayaz

RECORDED: 07/17/2018