505688663 09/24/2019

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YINGHUI YU	09/06/2019
CHENWAN LI	09/06/2019
ZHE JIN	09/06/2019
YILING WU	09/06/2019
ZHE CHEN	09/19/2019
WEILIANG ZHANG	09/06/2019
ZHIHU LUO	09/06/2019

#### **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:	16369386

## **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER: HW 85200077US06

NAME OF SUBMITTER: JULIETTE PARSONS

SIGNATURE: /Juliette Parsons/

505688663 REEL: 050477 FRAME: 0417

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Total Attachments: 4
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PATENT REEL: 050477 FRAME: 0418

# Attorney Docket No. Client Reference No. 85200077US06

#### ASSIGNMENT

#### WHEREAS, WE,

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

Zhe Jin

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

P.R.CHINA; and

Zhe Chen

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

P.R.CHINA; and

Zhihu Luo

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

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

P.R.CHINA; and

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

P.R.CHINA; and

Weiliang Zhang

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

P.R.CHINA; and

have invented and own a certain invention entitled:

METHOD FOR TRANSMITTING POSITIONING ASSISTANCE DATA AND DEVICE for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2019-03-29 , under U.S. Application No. 16369386 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.

In re Appln. of Yu et al.	
Attorney Docket No.	

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 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 Sep 6. 2019	Yinghui Yu Yinghui Yu
DateSep 6. 2019	Chenman Li
Date_Sep 6. 2019	Zhe Jin Zhe Jin
Date Sep 6. 2019	Yiling Wu Yiling Wu
Date	Zhe Chen
Date Sepb, 2019	Welliang Zhang Weiliang Zhang
Date Sop 6, 2019	Zhihu Luo Zhihu Luo

### Attorney Docket No. Client Reference No. 85200077US06

#### ASSIGNMENT

#### WHEREAS, WE,

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

Zhe Jin

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

P.R.CHINA; and

Zhe Chen

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

P.R.CHINA: and

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

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

Yiling Wu

Chenwan Li

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

P.R.CHINA; and

Weiliang Zhang

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

P.R.CHINA; and

have invented and own a certain invention entitled:

METHOD FOR TRANSMITTING POSITIONING ASSISTANCE DATA AND DEVICE for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2019-03-29 , under U.S. Application No. 16369386 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.

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**PATENT** REEL: 050477 FRAME: 0421

In re Appln. of Yu	et al.
Attorney Docket N	

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 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	
	Yinghui Yu
Date	Chenwan Li
Date	Zhe Jin
Date	Yiling Wu
Date Sep. 19, 2019	Zhe Chen Zhe Chen
Date	Weiliang Zhang
Date	Zhihu Luo