

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JIANGUO WANG	08/17/2016
YONGXING ZHOU	08/18/2016
YONG WU	11/29/2016
LIANG XIA	08/26/2016
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:	55440-1022
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16931622
CORRESPONDENCE DATA	
Fax Number:	(877)769-7945
<i>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.</i>	
Phone:	858-678-5070
Email:	apsi@fr.com
Correspondent Name:	FISH & RICHARDSON P.C. (HUAWEI TECHNOLOGIES)
Address Line 1:	P.O. BOX 1022
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022
ATTORNEY DOCKET NUMBER:	43968-1255007
NAME OF SUBMITTER:	JOHN GUSTAV-WRATHALL
SIGNATURE:	/John Gustav-Wrathall/
DATE SIGNED:	01/07/2021
Total Attachments: 8	
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ASSIGNMENT

WHEREAS, WE,

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

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

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

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

have invented and own a certain invention entitled:

METHOD FOR DETERMINING PRECODING MATRIX INDICATOR, USER EQUIPMENT,
AND BASE STATION

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 11/9/2015, under U.S. Application No. 14936092 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 Wang et al.
Attorney Docket No. HW722385

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 August 17, 2016

Jianguo WANG
Jianguo WANG

Date _____

Yongxing ZHOU

Date _____

Yong WU

Date _____

Liang XIA

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Date _____

Jianguo WANG

Date August 18, 2016

Yongxing ZHOU

Yongxing ZHOU

Date _____

Yong WU

Date _____

Liang XIA

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

Date _____
Jianguo WANG

Date _____
Yongxing ZHOU

Date Nov. 29, 2016
Yong WU
Yong WU

Date _____
Liang XIA

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

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

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Date _____ Jianguo WANG

Date _____ Yongxing ZHOU

Date _____ Yong WU

Date Aug. 26, 2016 Liang XIA
Liang XIA