

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3586884

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	JIANGUO WANG	11/27/2014
	YONGXING ZHOU	11/27/2014
RECEIVING PARTY DATA		
Name:	HUAWEI TECHNOLOGIES CO., LTD.	
Street Address:	HUAWEI ADMINISTRATION BUILDING, BANTIAN	
Internal Address:	LONGGANG DISTRICT,	
City:	SHENZHEN, 518129, GUANGDONG, P.R.	
State/Country:	CHINA	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14923019
CORRESPONDENCE DATA		
Fax Number:	(972)628-3616	
<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>		
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Email:	patents@munckwilson.com	
Correspondent Name:	DOCKET CLERK/HTCL	
Address Line 1:	P.O. DRAWER 800889	
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NAME OF SUBMITTER:	ROBERT D. MCCUTCHEON	
SIGNATURE:	/robert d. mccutcheon/	
DATE SIGNED:	10/26/2015	
Total Attachments: 4		
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source=Assignment#page4.tif		

PATENT

Attorney Docket No. _____
Client Reference No. 83453711U504

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;

have invented and own a certain invention entitled:
METHOD FOR DETERMINING PRECODING MATRIX INDICATOR, USER EQUIPMENT,
AND BASE STATION EVOLVED NODEB
for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on _____, under U.S. Application No. _____ 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
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

In re Appln. of Wang et al.
Attorney Docket No. _____

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

Date Nov. 27. 2014

Jianguo WANG
Jianguo WANG

Date _____

Yongxing ZHOU

PATENT

Attorney Docket No. _____
Client Reference No. 83453711U504

ASSIGNMENT

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Bantian, Longgang District
Shenzhen, 518129, Guangdong
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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)
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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
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Jianguo WANG

Date November 27th, 2014

Yongxing ZHOU
Yongxing ZHOU