504150653 12/22/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4197326

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HONGYU WANG	04/09/2015
XIANG CHE	04/29/2015
QIULIANG XU	04/14/2015
LIPING YANG	04/13/2015
JIA XU	04/29/2015
ZHIGANG LIU	04/09/2015
ZHENYU LIU	04/08/2015

RECEIVING PARTY DATA

Name:	Huawei Device Co., LTD.
Street Address:	Building B2, Huawei Industrial Base
Internal Address:	Bantian, Longgang District
City:	Shenzhen, Guangdong
State/Country:	CHINA
Postal Code:	518129

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15129352

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

Email: docketing@slatermatsil.com

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

Address Line 2: SUITE 1000

Address Line 4: DALLAS, TEXAS 75252

ATTORNEY DOCKET NUMBER: HW 83931817US06

NAME OF SUBMITTER: MARY COLTON

SIGNATURE: /Mary Colton/

DATE SIGNED:	12/22/2016
Total Attachments: 12	
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ASSIGNMENT

WHEREAS, WE,

Hongyu WANG BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA. ;and

Qiuliang XU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Jia XU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA.; and

Zhenyu LIU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA. Xiang CHE BuildingB2, Huawei Industrial Base Bantian, Longgang District

Shenzhen, 518129, Guangdong P.R. CHINA. ;and

Liping YANG BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA.; and

Zhigang LIU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA. ;and

have invented and own a certain invention entitled:
RADIO FREQUENCY FRONT-END SYSTEM, SIGNAL TRANSMISSION CONTROL METHOD, AND MOBILE TERMINAL
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 DEVICE CO., LTD., of BuildingB2, Huawei Industrial Base, 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 WANG et al.
Attorney Do	

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 April 9. 2015	Hory y h wang Hongyu WANG
	Hongyu WANG
Date	
	Xiang CHE
Date	-
	Qiuliang XU
Date	
	Liping YANG
Date	_
	Jia XU
Date	
	Zhigang LIU
Date	-
	Zhenyu LIU

ASSIGNMENT

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Qiuliang XU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Jia XU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA.; and

Zhenyu LIU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA. Xiang CHE

BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA. ;and

Liping YANG

BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA.; and

Zhigang LIU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R. CHINA.; and

have invented and own a certain invention entitled:
RADIO FREQUENCY FRONT-END SYSTEM, SIGNAL TRANSMISSION CONTROL METHOD, AND MOBILE TERMINAL
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

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In re Appln, of WANG et al.	
Attorney Docket No.	

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Date	
Date 13pr. 19, 2015	Hongyu WANG Xiang CHZ
	Xiang CHE
Date	
	Qiuliang XU
Date	
	Liping YANG
Date 1801, 29, 2015	Jia Xu.
	Jia XU
Date	
	Zhigang LIU
Date	
	Zhenyu LIU

ASSIGNMENT

WHEREAS, WE,

Hongyu WANG BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA. ;and

Oiuliang XU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Jia XU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA. ;and

Zhenvu LIU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA.

Xiang CHE

BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R. CHINA.; and

Liping YANG BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA.; and

Zhigang LIU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA.; and

have invented and own a certain invention entitled: RADIO FREQUENCY FRONT-END SYSTEM, SIGNAL TRANSMISSION CONTROL METHOD, AND MOBILE TERMINAL 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 DEVICE CO., LTD., of BuildingB2, Huawei Industrial Base, 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.

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Attorney Doc	

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Hongyu WANG
Xiang CHE
Diwliang XU Qiuliang XU
Qiuliang XU
Liping YANG
Jia XU
Zhigang LIU
Zhenyu LIU

ASSIGNMENT

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Jia XU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA.; and

Zhenyu LIU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA. Xiang CHE

BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA. ;and

Liping YANG BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA.; and

Zhigang LIU BuildingB2, Huawei Industrial

Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA. :and

have invented and own a certain invention entitled:
RADIO FREQUENCY FRONT-END SYSTEM, SIGNAL TRANSMISSION CONTROL METHOD, AND MOBILE TERMINAL
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Date	
	Hongyu WANG
Date	
	Xiang CHE
Date	
	Qiuliang XU
Date APR.13, 2015	Liping YANG Liping YANG
i de la companya de	Liping YANG
Date	
	Jia XU
Date	
	Zhigang LIU
Date	
	Zhenyu LIU

ASSIGNMENT

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Hongyu WANG BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA. ;and

Qiuliang XU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

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BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA. ;and

Liping YANG

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

Date	
	Hongyu WANG
Date	
	Xiang CHE
Date:	<u> </u>
	Qiuliang XU
Date	
	Liping YANG
Date	
	Jia XU
Date Apr. 09. 2015	Zhigma LIU
	Zhigang LIU
Date :	
	Zhenya LIU

2

ASSIGNMENT

WHEREAS, WE,

Hongyu WANG BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA. ;and

Qiuliang XU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA; and

Jia XU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA.; and

Zhenyu LIU BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA. Xiang CHE
Building R2 Huawe

BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA. ;and

Liping YANG

BuildingB2, Huawei Industrial Base Bantian, Longgang District Shenzhen, 518129, Guangdong P.R. CHINA.; and

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have invented and own a certain invention entitled:
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for which invention we have executed an application (provisional or non-provisional) for a U.S.
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	Liping YANG	
Date		
	Jia XU	
Date	*	
	Zhigang LIU ,	
Date 2015, 4.8	Zhigang LIU Zhenyu Li V	
	Zhenyu LIU	

PATENT REEL: 040742 FRAME: 0137

RECORDED: 12/22/2016