

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ZHIYU YAN	06/11/2018
LEI GUAN	06/01/2018
YONGXIA LYU	06/01/2018
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:	15890915
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>	
Email:	apsi@fr.com
Correspondent Name:	FISH & RICHARDSON P.C.
Address Line 1:	P.O. BOX 1022
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022
ATTORNEY DOCKET NUMBER:	43968-0119001
NAME OF SUBMITTER:	SUSAN C. JOHNSN
SIGNATURE:	/Susan C. Johnson/
DATE SIGNED:	07/15/2018
Total Attachments: 6	
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ASSIGNMENT

WHEREAS, WE,

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

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

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

have invented and own a certain invention entitled:

UPLINK CONTROL INFORMATION SENDING METHOD, UPLINK CONTROL
INFORMATION RECEIVING METHOD, APPARATUS, AND SYSTEM

for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on 2018-02-07, under U.S. Application No. 15890915 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 Yan et al.
Attorney Docket No. 43968-0119001

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 June 11, 2018

Zhiyu Yan
Zhiyu Yan

Date _____

Lei Guan

Date _____

Yongxia Lyu

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Bantian, Longgang District
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Lei Guan

Lei Guan

Date _____

Yongxia Lyu

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