PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIE SHI	03/25/2020
CHAO LI	10/10/2020
XINGWEI ZHANG	12/30/2019
ZHE LIU	10/10/2020

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:	16576224

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

Total Attachments 6	
DATE SIGNED: 01/18/2021	
SIGNATURE:	/Jennifer Rubio/
NAME OF SUBMITTER:	JENNIFER RUBIO
ATTORNEY DOCKET NUMBER:	HW 85363782US05

Total Attachments: 6

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source=HW 85363782US05 Assignment as filed 2021-01-18#page6.tif	

Attorney Docket No. Client Reference No. 85363782US05

ASSIGNMENT

WHEREAS, WE,

Jie Shi Chao Li

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

- 1211 - 221

Xingwei Zhang Zhe Liu

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

P.R.CHINA; and P.R.CHINA.

have invented and own a certain invention entitled:

UPLINK CONTROL CHANNEL RESOURCE MAPPING METHOD AND APPARATUS

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2019-09-19, under U.S. Application No. 16576224 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 other writings and do such additional acts as the Assignee may deem necessary or desirable to PATENT

REEL: 054944 FRAME: 0755

In re Appln. of Shi et al. Attorney Docket No	
making application for and obtaining reissued, reexamined, and National pl on the invention, and in enforcing an applications or patents, and by execu	this assignment, and render all necessary assistance in g original, continuation, continuation-in-part, divisional, hase patents of the U.S. or of any and all foreign countries by rights or chooses in action accruing as a result of such atting statements and other affidavits, it being understood ement shall bind, and inure to the benefit of, the assigns a hereto.
IN WITNESS WHEREOF, We have	e hereunder set our hands on the dates shown below.
Date 2020 - 03 - 25	Jie Shi Jie Shi
	Jie Shi
Date	
	Chao Li
Date	Xingwei Zhang
	e management and the training of the contract
Date	75

Zhe Liu

Attorney Docket No. Client Reference No. 85363782US05

ASSIGNMENT

WHEREAS, WE,

Jie Shi Chao Li

Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
B.R. GHDIA and B.R. GHDIA

P.R.CHINA; and P.R.CHINA; and

Xingwei Zhang Zhe Liu

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

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REEL: 054944 FRAME: 0757

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making application for and obtaining reissued, reexamined, and National on the invention, and in enforcing applications or patents, and by exe	of this assignment, and render all necessary assistance in ing original, continuation, continuation-in-part, divisional, phase patents of the U.S. or of any and all foreign countries any rights or chooses in action accruing as a result of such cuting statements and other affidavits, it being understood reement shall bind, and inure to the benefit of, the assigns ies hereto.
IN WITNESS WHEREOF, We h	ave hereunder set our hands on the dates shown below.
Date	Jie Shi
Date Oct 10, 2025	Chao Li Chao Li
Date	
Date (0c+ 10 202)	Xingwei Zhang Zho Liu

Zhe Liu

Attorney Docket No. Client Reference No. 85363782US05

ASSIGNMENT

WHEREAS, WE,

Jie Shi Chao Li

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

B.B. GHDIA and B. B. GHDIA and B. G

P.R.CHINA; and P.R.CHINA; and

Xingwei Zhang Zhe Liu

Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
Huawei Administration Building
Bantian, Longgang District
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REEL: 054944 FRAME: 0759

In re Appln. of Shi et al. Attorney Docket No.		
making application for and obtaining original reissued, reexamined, and National phase proof on the invention, and in enforcing any right applications or patents, and by executing states.	issignment, and render all necessary assistance in inal, continuation, continuation-in-part, divisional, atents of the U.S. or of any and all foreign countries ts or chooses in action accruing as a result of such tatements and other affidavits, it being understood shall bind, and inure to the benefit of, the assigns to.	
IN WITNESS WHEREOF, We have here	nunder set our hands on the dates shown below.	
Date	Jie Shi	
Date	Chao Li	
Date Dec 30, 2019	Xingwei Zhang Xingwei Zhang	
Date	Zhe Liu	

RECORDED: 01/18/2021