

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6526635

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	QIANGHUA ZHU	01/06/2021
	FENQIN ZHU	01/18/2021
	WENFU WU	02/01/2021
RECEIVING PARTY DATA		
Name:	HUAWEI TECHNOLOGIES CO., LTD.	
Street Address:	Huawei Administration Building	
Internal Address:	Bantian, Longgang District	
City:	Shenzhen	
State/Country:	CHINA	
Postal Code:	518129	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	17132947
CORRESPONDENCE DATA		
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ATTORNEY DOCKET NUMBER:	4747-83100 (85881331US04)	
NAME OF SUBMITTER:	ALBERT A. ABBOU	
SIGNATURE:	/Albert A. Abbou/	
DATE SIGNED:	02/01/2021	
Total Attachments: 4		
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ASSIGNMENT

WHEREAS, WE,

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

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

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

have invented and own a certain invention entitled:

REDIRECTION METHOD, COMMUNICATIONS SYSTEM, AND COMMUNICATIONS
APPARATUS

for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on 2020-12-23, under U.S. Application No. 17132947 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

In re Appln. of Zhu et al.
Attorney Docket No. 4747-83100

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 Jan 6, 2021

Qianghua Zhu
Qianghua Zhu

Date _____

Fenglin Zhu

Date _____

Wenfu Wu

In re Appln. of Zhu et al.
Attorney Docket No. 4747-83100

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 _____

Qianghua Zhu

Date 18th Jan / 2021

Fenqin Zhu

Date _____

Wenfu Wu

In re Appln. of Zhu et al.
Attorney Docket No. 4747-83100

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 _____

Qianghua Zhu

Date _____

Fenqin Zhu

Date February 1, 2021

Wenfu Wu

Wenfu Wu