

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
XIAOFENG YANG	07/19/2022
DONGMEI XIE	07/18/2022
ZHONG SHENG	07/18/2022
TAOTAO LIU	07/18/2022
KAIFANG DING	07/18/2022
CHENG LI	07/18/2022
FENG YE	07/18/2022
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HUAWEI TECHNOLOGIES CO., LTD.
<b>Street Address:</b>	HUAWEI ADMINISTRATION BUILDING, BANTIAN
<b>Internal Address:</b>	LONGGANG DISTRICT, GUANGDONG
<b>City:</b>	SHENZHEN
<b>State/Country:</b>	CHINA
<b>Postal Code:</b>	518129
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17412884
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)518-5499
<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>	
<b>Phone:</b>	703-684-1111
<b>Email:</b>	huawei@ipfirm.com
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<b>Address Line 1:</b>	2318 MILL ROAD
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<b>ATTORNEY DOCKET NUMBER:</b>	C6428-263
<b>NAME OF SUBMITTER:</b>	JOSHUA L. PRITCHETT
<b>SIGNATURE:</b>	/JOSHUA L. PRITCHETT/

PATENT

<b>DATE SIGNED:</b>	08/09/2022
<b>Total Attachments: 6</b> source=EFiled_Assignment#page1.tif source=EFiled_Assignment#page2.tif source=EFiled_Assignment#page3.tif source=EFiled_Assignment#page4.tif source=EFiled_Assignment#page5.tif source=EFiled_Assignment#page6.tif	

**ASSIGNMENT**

**WHEREAS, WE,**

Xiaofeng Yang  
Huawei Administration Building,  
Bantian, Longgang District,  
Shenzhen, 518129, Guangdong,  
P.R. China; and

Zhong Sheng  
Huawei Administration Building,  
Bantian, Longgang District,  
Shenzhen, 518129, Guangdong,  
P.R. China; and

Kaifang Ding  
Huawei Administration Building,  
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Shenzhen, 518129, Guangdong,  
P.R. China; and

Cheng Li  
Huawei Administration Building,  
Bantian, Longgang District,  
Shenzhen, 518129, Guangdong,  
P.R. China; and

have invented and own a certain invention entitled:  
**TRACE CHAIN INFORMATION QUERY METHOD AND DEVICE**  
for which invention we have executed an application (provisional or non-provisional) for a U.S.  
patent, which was filed on 2021-08-26, under U.S. Application No. 17412884 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.

In re Appln. of Yang et al.  
Attorney Docket No. C6428-263

**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 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 Jul. 19. 2022

Xiaofeng Yang  
Xiaofeng Yang

Date \_\_\_\_\_

\_\_\_\_\_  
Dongmei Xie

Date \_\_\_\_\_

\_\_\_\_\_  
Zhong Sheng

Date \_\_\_\_\_

\_\_\_\_\_  
Taotao Liu

Date \_\_\_\_\_

\_\_\_\_\_  
Kaifang Ding

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Date Jul 18, 2022

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Zhong Sheng

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Kaifang Ding

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Cheng Li

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Feng Ye

**PATENT**

Attorney Docket No. C6428-263  
Client Reference No. 86163647US04

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