

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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Assignment ID: PATI369458

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Bang LIU	07/26/2022
Liyu WANG	07/25/2022
Kun GUAN	07/27/2022
Wen YANG	07/27/2022
Jianqiang SHEN	07/18/2024
<b>RECEIVING PARTY DATA</b>	
<b>Company Name:</b>	HUAWEI TECHNOLOGIES CO., LTD.
<b>Street Address:</b>	Huawei Administration Building, Bantian, Longgang District
<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>
<b>Application Number:</b>	17732675
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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)8665879
<b>Email:</b>	sjg@nixonvan.com
<b>Correspondent Name:</b>	Nixon & Vanderhye, P.C.
<b>Address Line 1:</b>	901 North Glebe Road
<b>Address Line 2:</b>	11th Floor
<b>Address Line 4:</b>	Arlington, VIRGINIA 22203
<b>ATTORNEY DOCKET NUMBER:</b>	6990-0555
<b>NAME OF SUBMITTER:</b>	Sandy Gonnella
<b>SIGNATURE:</b>	Sandy Gonnella
<b>DATE SIGNED:</b>	07/18/2024
<b>Total Attachments: 10</b>	

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**ASSIGNMENT**

**WHEREAS, WE,**

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

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

Jianqiang Shen  
Huawei Administration Building,  
Bantian, Longgang District,  
Shenzhen, 518129, Guangdong,  
P.R. China.

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

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

have invented and own a certain invention entitled:

**DATA REDUCTION METHOD, APPARATUS, COMPUTING DEVICE, AND STORAGE MEDIUM**

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2022-04-29, under U.S. Application No. 17732675 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.

In re Appln. of Liu et al.  
Attorney Docket No. 6990-0555

**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 July 26, 2022

Bang Liu  
Bang Liu

Date \_\_\_\_\_

\_\_\_\_\_  
Liyu Wang

Date \_\_\_\_\_

\_\_\_\_\_  
Kun Guan

Date \_\_\_\_\_

\_\_\_\_\_  
Wen Yang

Date \_\_\_\_\_

\_\_\_\_\_  
Jianqiang Shen

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Date \_\_\_\_\_

\_\_\_\_\_  
Bang Liu

Date July 25, 2022

Liyu Wang  
\_\_\_\_\_  
Liyu Wang

Date \_\_\_\_\_

\_\_\_\_\_  
Kun Guan

Date \_\_\_\_\_

\_\_\_\_\_  
Wen Yang

Date \_\_\_\_\_

\_\_\_\_\_  
Jianqiang Shen

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Bang Liu

Date \_\_\_\_\_

\_\_\_\_\_  
Liyu Wang

Date July 27, 2022

Kun Guan  
\_\_\_\_\_  
Kun Guan

Date \_\_\_\_\_

\_\_\_\_\_  
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Date \_\_\_\_\_

\_\_\_\_\_  
Jianqiang Shen



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\_\_\_\_\_  
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Wen Yang  
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Wen Yang

Date \_\_\_\_\_

\_\_\_\_\_  
Jianqiang Shen

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Date \_\_\_\_\_

\_\_\_\_\_  
Wen Yang

Date 2024-07-18

Jianqiang Shen  
Jianqiang Shen