

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WENJIE LIU	05/08/2019
JIANSHENG WEI	05/10/2019
XIAOFEI ZHANG	05/08/2019
LEI CHEN	01/08/2021
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:	16370343
CORRESPONDENCE DATA	
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<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>	
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ATTORNEY DOCKET NUMBER:	210167.0389.2 (P382)
NAME OF SUBMITTER:	KEVIN G. SHAO
SIGNATURE:	/Kevin G. Shao/
DATE SIGNED:	01/08/2021
Total Attachments: 8	
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source=84982415US02-dec&asg#page8.tif

ASSIGNMENT

WHEREAS, WE,

Wenjie Liu
Hong Kong University of Science
and Technology, Clear Water
Bay, Kowloon, Hong Kong,
China; and

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

Xiaofei Zhang
Hong Kong University of Science
and Technology, Clear Water
Bay, Kowloon, Hong Kong,
China; and

Lei Chen
Hong Kong University of Science
and Technology, Clear Water
Bay, Kowloon, Hong Kong,
China.

have invented and own a certain invention entitled:

**CONTROL METHOD FOR PERFORMING MULTI-TABLE JOIN OPERATION AND
CORRESPONDING APPARATUS**

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2019-03-29, under U.S. Application No. 16370343 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

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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 May 8, 2019

Wenjie Liu
Wenjie Liu

Date _____

Jiansheng Wei

Date _____

Xiaofei Zhang

Date _____

Lei Chen

ASSIGNMENT

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Wenjie Liu
Hong Kong University of Science
and Technology, Clear Water
Bay, Kowloon, Hong Kong,
China; and

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Bantian, Longgang District
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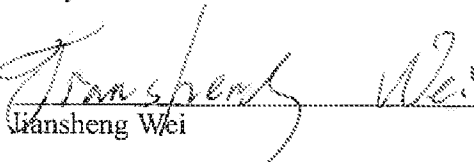
making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or chooses in action accruing as a result of such applications 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 _____

Wenjie Liu

Date May 10, 2019



Jiansheng Wei

Date _____

Xiaofei Zhang

Date _____

Lei Chen

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Hong Kong University of Science
and Technology, Clear Water
Bay, Kowloon, Hong Kong,
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IN WITNESS WHEREOF, We have hereunder set our hands on the dates shown below.

Date _____
Wenjie Liu

Date _____
Jiansheng Wei

Date May 8, 2019
Xiaofei Zhang
Xiaofei Zhang

Date _____
Lei Chen

ASSIGNMENT

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Bay, Kowloon, Hong Kong,
China; and

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

Xiaofei Zhang
Hong Kong University of Science
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Date _____

Wenjie Liu


Date _____

Jiansheng Wei

Date _____

Xiaofei Zhang

Date Jan 8, 2021



Lei Chen