PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHULAN FENG	06/01/2020
XIUYONG SHEN	06/02/2020
JINNAN LIU	06/02/2020
XINGWEI ZHANG	06/02/2020
JUNREN CHANG	06/03/2020

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:	16817789

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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:
 858-678-5070

 Email:
 apsi@fr.com

Correspondent Name: FISH & RICHARDSON P.C. (HUAWEI TECHNOLOGIES)

Address Line 1: P.O. BOX 1022

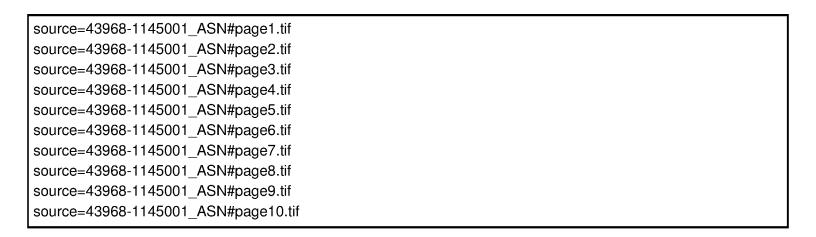
Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	43968-1145001
NAME OF SUBMITTER:	JOHN GUSTAV-WRATHALL
SIGNATURE:	/John Gustav-Wrathall/
DATE SIGNED: 04/27/2021	

Total Attachments: 10

PATENT REEL: 056050 FRAME: 0569

506631047



Attorney Docket No. <u>43968-114</u>5001 Client Reference No. 85528973US06

ASSIGNMENT

WHEREAS, WE,

Shulan Feng Huawei Administration Building Bantian, Longgang District

Shenzhen, 518129, Guangdong P.R.CHINA: and

Jinnan Liu

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

P.R.CHINA; and

Junren Chang

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

P.R.CHINA.

Xiuyong Shen

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

P.R.CHINA; and

Xingwei Zhang

Emdalavägen 6, Lund 22369,

Sweden; and

have invented and own a certain invention entitled:

SIGNAL PROCESSING METHOD AND APPARATUS

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2020-03-13, under U.S. Application No. 16817789 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 Feng et al. Attorney Docket No. 43968-1145001

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.

Date JUNG 1St, 2020	Shulan FBNG
	Shulan Feng
D.	
Date	Xiuyong Shen
Date	
	Jinnan Liu
Date	
	Xingwei Zhang
Date	
	Junren Chang

Attorney Docket No. <u>43968-114</u>5001 Client Reference No. 85528973US06

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Date	
	Shulan Feng
Date	xivyong shen
	Xiuyong Shen
Date	
	Jinnan Liu
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Date	Xingwei Zhang
Date	
700000000000000000000000000000000000000	Junren Chang

Attorney Docket No. <u>43968-114</u>5001 Client Reference No. 85528973US06

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In re Appln. of Feng et al. Attorney Docket No. <u>43968-1</u>145001

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Date		
	Shulan Feng	
Date		
	Xiuyong Shen	
Date June 2. 2020	Jinnam LIU	
	Jinnan Liu	
Date		
	Xingwei Zhang	
Date		
	Junren Chang	

ASSIGNMENT

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

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Jinnan Liu

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

P.R.CHINA; and

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

P.R.CHINA.

Xiuyong Shen

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

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Date	
	Shulan Feng
Date	Xiuyong Shen
	Addyong onen
Date	Jinnan Liu
Date June 2, 2020	Xingwei ZHANG Xingwei Zhang
	Xingwei Zhang (/
Date	
	Junren Chang

Attorney Docket No. <u>43968-11</u>45001 Client Reference No. 85528973US06

ASSIGNMENT

WHEREAS, WE,

Shulan Feng Huawei Administration Building

Bantian, Longgang District Shenzhen, 518129, Guangdong

P.R.CHINA; and

Jinnan Liu

Huawei Administration Building Bantian, Longgang District

Shenzhen, 518129. Guangdong

P.R.CHINA; and

Junren Chang

Huawei Administration Building

Bantian, Longgang District

Shenzhen, 518129, Guangdong

P.R.CHINA.

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Date	Shulan Feng
Date	
L/acc	Xiuyong Shen
Date	Jinnan Liu
Date	Xingwei Zhang
Date JUN. 3, 2020	JUNKA CHANG Junren Chang