

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	LIANG ZHANG	11/21/2017
	TIANJIAN ZUO	11/21/2017
	ENBO ZHOU	11/22/2017
RECEIVING PARTY DATA		
Name:	HUAWEI TECHNOLOGIES CO., LTD.	
Street Address:	HUAWEI ADMINISTRATION BUILDING, BANTIAN, LONGGANG DISTRICT	
City:	SHENZHEN, GUANGDONG	
State/Country:	CHINA	
Postal Code:	518129	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	15722369	
CORRESPONDENCE DATA		
Fax Number:	(202)434-1501	
<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>		
Phone:	2024341500	
Email:	danderson@s-n-h.com	
Correspondent Name:	STAAS & HALSEY LLP	
Address Line 1:	1201 NEW YORK AVE. NW, STE. #700	
Address Line 4:	WASHINGTON, D.C. 20005	
ATTORNEY DOCKET NUMBER:	2520.1320	
NAME OF SUBMITTER:	GENE M. GARNER, II - REG. # 34,172	
SIGNATURE:	/Gene M. Garner II/	
DATE SIGNED:	12/20/2017	
Total Attachments: 2		
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PATENT

Attorney Docket No.
Client Reference No. 84368798US05

ASSIGNMENT

WHEREAS, WE,

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

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

Enbo Zhou
Huawei Administration Building
Bantian, Longgang District
Shenzhen, 518129, Guangdong
P.R.CHINA;

have invented and own a certain invention entitled:

DIGITAL SIGNAL PROCESSOR, TRANSMITTER, AND SYSTEM

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2017-10-02, under U.S. Application No. 15722369 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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REEL: 044957 FRAME: 0565

In re Appln. of Zhang et al.
Attorney Docket No. _____

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.

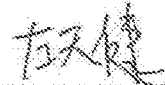
IN WITNESS WHEREOF, We have hereunder set our hands on the dates shown below.

Date 2017-11-21



Liang Zhang

Date 2017-11-21



Tianjian Zuo

Date 2017-11-22



Enbo Zhou