

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT8154478

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WEILIANG SHU	03/29/2023
WINGTO FAN	09/07/2023
SHUANGQUAN CHEN	09/07/2023
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:	18158038
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	ipdocketing@wbd-us.com, bstzksreport@wbd-us.com, umiko.lin@wbd-us.com
Correspondent Name:	WOMBLE BOND DICKINSON (US) LLP
Address Line 1:	PO BOX 570489
Address Line 2:	ATTN: IP DOCKETING
Address Line 4:	ATLANTA, GEORGIA 30357
ATTORNEY DOCKET NUMBER:	10167P2092USC1 (P2092)
NAME OF SUBMITTER:	KEVIN G. SHAO
SIGNATURE:	/Kevin G. Shao/
DATE SIGNED:	09/07/2023
Total Attachments: 6	
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ASSIGNMENT

WHEREAS, WE,

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

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

Shuangquan Chen
Huawei Administration Building,
Bantian, Longgang District,
Shenzhen, 518129, Guangdong,
P.R. China.

have invented and own a certain invention entitled:
WIRELESS EXCITATION SYSTEM, DETECTION METHOD, AND ELECTRIC VEHICLE
for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on 2023-01-23, under U.S. Application No. 18158038 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
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

In re Appln. of Shu et al.
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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 Mar 29, 2023

Weiliang Shu
Weiliang Shu

Date _____

WINGTO FAN

Date _____

Shuangquan Chen

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

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

Date _____

Weiliang Shu

Date _____ Sep 7, 2023

WING TO FAN
WINGTO FAN

Date _____

Shuangquan Chen

ASSIGNMENT

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

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

Date _____

Weiliang Shu

Date _____

WINGTO FAN

Date Sep 07, 2023

Shuangquan Chen
Shuangquan Chen