

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT8260470

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ALEXANDER KHRIPKOV	09/26/2023
JANNE ILVONEN	02/15/2022
RUIYUAN TIAN	02/16/2022
JARI KRISTIAN VAN WONTERGHEM	11/06/2023
JIAN OU	09/26/2023
DONGXING TU	11/29/2021
ZLATOLJUB MILOSAVLJEVIC	02/19/2022
HONGTING LUO	12/20/2022
RECEIVING PARTY DATA	
Name:	HUAWEI TECHNOLOGIES CO., LTD.
Street Address:	Huawei Administration Building
Internal Address:	Bantian, Longgang District
City:	Shenzhen
State/Country:	CHINA
Postal Code:	518129
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17420612
CORRESPONDENCE DATA	
Fax Number:	(972)731-2289
<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:	972-731-2288
Email:	dallaspatents@dfw.conleyrose.com
Correspondent Name:	GRANT RODOLPH
Address Line 1:	4965 PRESTON PARK BOULEVARD, SUITE 195E
Address Line 4:	PLANO, TEXAS 75093
ATTORNEY DOCKET NUMBER:	4805-12900 (85852614US04)
NAME OF SUBMITTER:	CHRISTOPHER L. BLACKBURN

SIGNATURE:	/Christopher L. Blackburn/
DATE SIGNED:	11/06/2023
Total Attachments: 9 source=4805-12900 Signed Assignment#page1.tif source=4805-12900 Signed Assignment#page2.tif source=4805-12900 Signed Assignment#page3.tif source=4805-12900 Signed Assignment#page4.tif source=4805-12900 Signed Assignment#page5.tif source=4805-12900 Signed Assignment#page6.tif source=4805-12900 Signed Assignment#page7.tif source=4805-12900 Signed Assignment#page8.tif source=4805-12900 Signed Assignment#page9.tif	

ASSIGNMENT

WHEREAS, WE,

Alexander Khripkov
Itämerenkatu 9, Helsinki 00180,
Finland; and

Janne Ilvonen
Itämerenkatu 9, Helsinki 00180,
Finland; and

Ruiyuan Tian
Itämerenkatu 9, Helsinki 00180,
Finland; and

Jari Kristian van Wouterghem
Riesstr. 25, Munich 80992,
Germany; and

Jian Ou
Riesstr. 25, Munich 80992,
Germany; and

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

Zlatoljub Milosavljevic
Itämerenkatu 9, Helsinki 00180,
Finland; and

Hongting Luo
Huawei Administration Building,
Bantian, Longgang District,
Shenzhen, 518129, Guangdong,
P.R. China.

have invented and own a certain invention entitled:
**BEAM STEERING ANTENNA STRUCTURE AND ELECTRONIC DEVICE COMPRISING
SAID STRUCTURE**
for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on 2021-07-02, under U.S. Application No. 17420612 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.

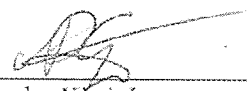
In re Appln. of Khripkov et al.
Attorney Docket No. 4805-12900

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 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 26 09.2023



Alexander Khripkov

Date _____

Janne Ilvonen

Date _____

Ruiyuan Tian

Date _____

Jari Kristian van Wouterghem

Date _____

Jian Ou

Date _____

Dongxing Tu

Date _____

Zlatoljub Milosavljevic

Date _____

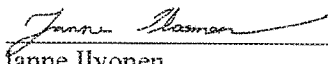
Hongting Luo

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

Date _____	_____ Alexander Khripkov
Date <u>February 15, 2022</u>	<u></u> Janne Ilvonen
Date _____	_____ Ruiyuan Tian
Date _____	_____ Jari Kristian van Wouterghem
Date _____	_____ Jian Ou
Date _____	_____ Dongxing Tu
Date _____	_____ Zlatoljub Milosavljevic
Date _____	_____ Hongting Luo

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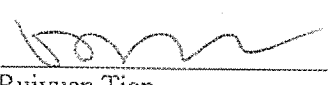
Date _____

Alexander Khripkov

Date _____

Janne Ilvonen

Date 2022-02-16



Ruiyuan Tian

Date _____

Jari Kristian van Wouterghem

Date _____

Jian Ou

Date _____

Dongxing Tu

Date _____

Zlatoljub Milosavljevic

Date _____


Hongting Luo

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

Date _____	_____ Alexander Khripkov
Date _____	_____ Janne Ilvonen
Date _____	_____ Ruiyuan Tian
Date <u>Nov 6, 2023</u>	 _____ Jari Kristian van Wouterghem
Date _____	_____ Jian Ou
Date _____	_____ Dongxing Tu
Date _____	_____ Zlatoljub Milosavljevic
Date _____	_____ Hongting Luo

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

Date _____
Alexander Khripkov

Date _____
Janne Ilvonen

Date _____
Ruiyuan Tian

Date _____
Jari Kristian van Wouterghem

Date 2023.09.26
OU Han
Jian Ou

Date _____
Dongxing Tu

Date _____
Zlatoljub Milosavljevic

Date _____
Hongting Luo

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Date _____	_____ Alexander Khripkov
Date _____	_____ Janne Ilvonen
Date _____	_____ Ruiyuan Tian
Date _____	_____ Jari Kristian van Wouterghem
Date _____	_____ Jian Ou
Date <u>Nov 29, 2021</u>	<u>Dongxing Tu</u> Dongxing Tu
Date _____	_____ Zlatoljub Milosavljevic
Date _____	_____ Hongting Luo

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

Date _____	_____ Alexander Khripkov
Date _____	_____ Janne Ilvonen
Date _____	_____ Ruiyuan Tian
Date _____	_____ Jari Kristian van Wonterghem
Date _____	_____ Jian Ou
Date _____	_____ Dongxing Tu
Date <u>19 February 2022</u>	 _____ Zlatoljub Milosavljevic
Date _____	_____ Hongting Luo

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Date _____

Alexander Khripkov

Date _____

Janne Ilvonen

Date _____

Ruiyuan Tian

Date _____

Jari Kristian van Wouterghem

Date _____

Jian Ou

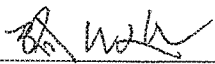
Date _____

Dongxing Tu

Date _____

Zlatoljub Milosavljevic

Date 2022.12.20



Hongting Luo