11/23/2021 506991913

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JINGJING HUANG	11/22/2021
JUN CHEN	11/22/2021
PENG LIU	11/22/2021
QIANFU CHENG	11/22/2021
GUANGJIAN WANG	11/23/2021

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:	17508634

CORRESPONDENCE DATA

Fax Number: (972)732-9218

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Address Line 2: **SUITE 1000**

Address Line 4: DALLAS, TEXAS 75252

ATTORNEY DOCKET NUMBER:	HW 86085657US04
NAME OF SUBMITTER:	JENNIFER RUBIO
SIGNATURE:	/Jennifer Rubio/
DATE SIGNED:	11/23/2021

PATENT REEL: 058191 FRAME: 0394 506991913

Total Attachments: 10 source=HW 86085657US04 Assignment as filed 2021-11-23#page1.tif source=HW 86085657US04 Assignment as filed 2021-11-23#page2.tif source=HW 86085657US04 Assignment as filed 2021-11-23#page3.tif source=HW 86085657US04 Assignment as filed 2021-11-23#page4.tif source=HW 86085657US04 Assignment as filed 2021-11-23#page5.tif source=HW 86085657US04 Assignment as filed 2021-11-23#page6.tif source=HW 86085657US04 Assignment as filed 2021-11-23#page7.tif source=HW 86085657US04 Assignment as filed 2021-11-23#page8.tif source=HW 86085657US04 Assignment as filed 2021-11-23#page9.tif source=HW 86085657US04 Assignment as filed 2021-11-23#page9.tif

PATENT REEL: 058191 FRAME: 0395

ASSIGNMENT

WHEREAS, WE,

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

Peng Liu
Huawei Administration Building,
Bantian, Longgang District,
Shenzhen, 518129, Guangdong,
P.R. China; and
Guangjian Wang

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

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

P.R. China; and

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

have invented and own a certain invention entitled:
POLARIZATION RECONFIGURABLE APPARATUS, COMMUNICATIONS DEVICE,
AND POLARIZATION RECONFIGURATION METHOD
for which invention we have executed an application (provisional or non-provisional) for a U.S.
patent, which was filed on 2021-10-22, under U.S. Application No. 17508634 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 Hua	ang et al.
Attorney Docket N	

Date 2021/11/22	Jingjing Huang Jingjing Huang
Date	Jun Chen
Date	Peng Liu
Date	Qianfu Cheng
Date	Guangjian Wang

ASSIGNMENT

WHEREAS, WE,

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

Peng Liu Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China; and Guangjian Wang Huawei Administration Building.

Guangjian Wang Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China. Jun Chen Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong,

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In re Appln. of Huang et al.	
Attorney Docket No.	

Date	Jingjing Huang
Date Nov 21, 2021	Jun Chen Jun Chen
Date	Peng Liu
Date	Qianfu Cheng
Date	Guangjian Wang

ASSIGNMENT

WHEREAS, WE,

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

Peng Liu
Huawei Administration Building,
Bantian, Longgang District,
Shenzhen, 518129, Guangdong,
P.R. China; and
Guangjian Wang

Guangjian Wang Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.R. China. Jun Chen Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong,

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In re Appln.	of Huang et al.	
Attorney Do		

Date	Jingjing Huang
Date	Jun Chen
Date Noy. 22, 202/	Peng Liu
Date	Qianfu Cheng
Date	Guangjian Wang

ASSIGNMENT

WHEREAS, WE,

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

Peng Liu
Huawei Administration Building,
Bantian, Longgang District,
Shenzhen, 518129, Guangdong,
P.R. China; and
Guangjian Wang
Huawei Administration Building

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

Huawei Administration Building, Bantian, Longgang District, Shenzhen, 518129, Guangdong, P.P. China: and

P.R. China; and

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In re Appln	. of Huang et al.
Attorney De	ocket No.

Date	Jingjing Huang
Date	Jun Chen
Date	Peng Liu
Date_ 25VI-11-V	Qiantu Cheny Qianfu Cheng
Date	Guangjian Wang

ASSIGNMENT

WHEREAS, WE,

Peng Liu

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

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

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

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

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

have invented and own a certain invention entitled: POLARIZATION RECONFIGURABLE APPARATUS, COMMUNICATIONS DEVICE, AND POLARIZATION RECONFIGURATION METHOD for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2021-10-22, under U.S. Application No. 17508634 and

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In re Appln. of Huang et al. Attorney Docket No.

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		Jingjing Huang
Date		Jun Chen
Date		Peng Liu
Date		Qianfu Cheng
Date	Nov 23, 2021	Guangiran Wang Guangjian Wang