PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4905945

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DINGJIU DAOJIAN	03/15/2018
WEIHONG XIAO	03/23/2018
GUOQING XIE	03/22/2018
XIAOGANG XUE	03/22/2018

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:	15858993

CORRESPONDENCE DATA

(312)616-5700 Fax Number:

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: 312-616-5600

Email: assignments@leydig.com

Correspondent Name: LEYDIG, VOIT & MAYER, LTD.

Address Line 1: TWO PRUDENTIAL PLAZA, SUITE 4900

180 N. STETSON AVENUE Address Line 2:

Address Line 4: CHICAGO, ILLINOIS 60601-6731

ATTORNEY DOCKET NUMBER: HW736623 LEANNA BULTEMA NAME OF SUBMITTER: **SIGNATURE:** /Leanna Bultema/ **DATE SIGNED:** 04/09/2018

Total Attachments: 8

PATENT REEL: 045480 FRAME: 0145

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PATENT REEL: 045480 FRAME: 0146

ASSIGNMENT

WHEREAS, WE,

Dingjiu Daojian Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA: and

Guoqing Xie Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and Weihong Xiao Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA; and

Xiaogang Xue Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA;

have invented and own a certain invention entitled:

RADIATION APPARATUS

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 2017-12-29, under U.S. Application No. 15858993 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 Assignce 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

PATENT REEL: 045480 FRAME: 0147 In re Appln. of Daojian et al. Attorney Docket No. <u>HW736623</u>

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 Marsh. 15, 2018	Dingjîn Daojian Dingjîn Daojian
	Dingfiu Daojian
Date	
	Weihong Xiao
Date	
	Guoqing Xie
FYaka	
Date	Xiaogang Xue

Attorney Docket No. HW736623 Client Reference No. 84435771US08

ASSIGNMENT

WHEREAS, WE,

Dingjiu Daojian Huawei Administration Building Bantian, Longgang District

Shenzhen, 518129, Guangdong

P.R.CHINA; and

Guoqing Xie Huawei Administration Building Bantian, Longgang District

Shenzhen, 518129, Guangdong

P.R.CHINA; and

Weihong Xiao

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

P.R.CHINA; and

Xiaogang Xue

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In re Appln. of Daojian et al. Attorney Docket No. HW736623

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	
	Dingjiu Daojian
Date Mar.23, 2018	Weihong Xiao
	Weihong Xiao
Date	
	Guoqing Xie
Date	
	Xiaogang Xue

ASSIGNMENT

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Dingjiu Daojian Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA: and

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PATENT REEL: 045480 FRAME: 0151 In re Appln. of Daojian et al. Attorney Docket No. <u>HW736</u>623

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	
	Dingjiu Daojian
Date	
	Weihong Xiao
Date_March 22, 2018	Guoging Xie
	Guoqing Xie
Date	Xiaogang Xue

Attorney Docket No. <u>HW736623</u> Client Reference No. 84435771US08

ASSIGNMENT

WHEREAS, WE,

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

P.R.CHINA; and

Guoqing Xie Huawei Administration Building Bantian, Longgang District Shenzhen, 518129, Guangdong P.R.CHINA: and Weihong Xiao

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

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Xiaogang Xue Huawèi Administration Building Bantian, Longgang District

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Date	
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Date	
	Weihong Xiao
Date	
	Guoqing Xie
Date March 22, 2	XI as young Xue Xiaogang Xue