505723574 10/15/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5770386

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JUNJIE XU	09/10/2019
DAWEI WANG	09/10/2019
CHAO YU	09/10/2019
JIANYE TANG	09/10/2019
YADONG ZHANG	09/10/2019
JINGFEI MU	09/10/2019
JIANWU WU	09/10/2019
GAOWEI CHEN	09/10/2019

RECEIVING PARTY DATA

Name:	BEIJING BOE OPTOELECTRONICS TECHNOLOGY CO., LTD.
Street Address:	NO.8 XIHUANZHONGLU, BDA
City:	BEIJING
State/Country:	CHINA
Postal Code:	100176
Name:	BOE TECHNOLOGY GROUP CO., LTD.
Street Address:	NO. 10 JIUXIANQIAO RD.
Internal Address:	CHAOYANG DISTRICT
City:	BEIJING
State/Country:	CHINA
Postal Code:	100015

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16605271

CORRESPONDENCE DATA

Fax Number: (312)463-5001

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: 312-463-5000

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PATENT REEL: 050728 FRAME: 0162

Correspondent Name: BANNER & WITCOFF, LTD.

Address Line 1: 71 SOUTH WACKER DRIVE

Address Line 2: SUITE 3600

Address Line 4: CHICAGO, ILLINOIS 60606-7407

ATTORNEY DOCKET NUMBER:	008357.00858\US
NAME OF SUBMITTER:	WILLIAM J. ALLEN
SIGNATURE:	/William J. Allen/
DATE SIGNED:	10/15/2019

Total Attachments: 16

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> PATENT REEL: 050728 FRAME: 0163

Title of Invention	
As a below name:	d inventor, I hereby declare that:
	☑ The attached application, or ☐ United States application or PCT international application number
I hereby acknowler punishable under ' years, or both.	dge that any willful false statement made in this declaration is 18 U.S.C. 1001 by fine or imprisonment of not more than five (5)

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR"), do hereby:

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AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such inventions to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such inventions; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such inventions and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such inventions in the Assignee, and for securing, maintaining and enforcing proper patent protection for such inventions;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

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STATEMENTS

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As a below named	inventor, I hereby o	leclare that:	
This declaration is directed to: The above-identified	number	application, or application or PCT inti- filed on ade or authorized to b	
believe that I am thin the application.	ne original inventor i	or an original joint inve	entor of a claimed invention
i hereby acknowled punishable under 10 years, or both	ge that any willful fa 8 U.S.C. 1001 by fin	ilse statement made in se or imprisonment of	n this declaration is not more than five (5)

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Title of Invention	
As a below name:	f inventor, I hereby declare that:
This declaration is directed to: The above-identifie	
believe that I am to the application.	the original inventor or an original joint inventor of a claimed invention
i hereby acknowled punishable under 1 years, or both	tge that any willful false statement made in this declaration is 8 U.S.C. 1001 by fine or imprisonment of not more than five (5)

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LEGAL NAME O	F INVENTOR				
Inventor: Cha	o YU 1 v	Oate	:	2.121.1	
Signature: L	han IV				

Title of Invention			
As a below	v named inventor, I hereby o	leclare that:	
This decla	ration		
is directed	to: IF The attached a	application, or	
		application or PCT internation	nal application
The above-	identified application was m	ade or authorized to be made	by me.
I believe the in the applic		or an original joint inventor of	a claimed invention
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Title of Invention	
As a below name:	I inventor, I hereby declare that
This declaration	
is directed to:	₩ The attached application, or
	United States application or PCT international application numberfiled on
The above-identifie	d application was made or authorized to be made by me.
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LEGAL NAME	OF INVENTOR		aieG	Q.V	lo vol	
Signature	Carlong 2HAN	19				

Title of Invention	
As a below named	inventor, I hereby declare that:
This declaration is directed to: The above-identifie	☐ The attached application, or ☐ United States application or PCT international application number
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enventor <u>Jingfei MU</u> Date: <u>SA 12-2013</u> Semature: 1 i 8 s 1 6 i M U	LEGAL NAME OF IN	VENTOR
Simplifier 19846 MU	inventoringfetM	<u>u Date: XP 12 1213</u>
	Secretore 122416	

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Title of Invention	
3	
As a below r	named inventor, I hereby declare that:
This declara	CZ The ottenhad anniination or
	United States application or PCT international application number filed on
The above-id	entified application was made or authorized to be made by me.
	I am the original inventor or an original joint inventor of a claimed invention
l hereby ackri punishable ur years, or both	rowledge that any willful false statement made in this declaration is nder 18 U.S.C. 1001 by fine or imprisonment of not more than five (5)

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR"), do hereby:

SELL, ASSIGN AND TRANSFER to Beijing BOE Optoelectronics Technology Co., Itd. having a place of business at No.8 Xihuanzhonglu, BDA, Beijing, 100176, P.R.Ching , and BOE TECHNOLOGY GROUP CO., LTD , having a place of business at No.10 Jiuxiangiao Rd., Chaoyang District, Beijing 100015, P.R. China teach hereinafter referred to as "ASSIGNEE"), the entire right, title and interest for the United States and all foreign countries in and to any and all inventions which are disclosed in the above-identified application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, which claims priority to PCT/CN2019/081944 filed on Apr.09.2019; which in turn claims priority to CN201810368658.6 filed on Apr.23.2018; such applications and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such inventions; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such inventions to the Assignee;

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WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such inventions; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such inventions and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such inventions in the Assignee, and for securing, maintaining and enforcing proper patent protection for such inventions;

TO BE BINDING on the heirs; assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the agents and attorneys of ______the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

The assignment of said invention is effective as of the earlier of (1) the date of execution shown below or (2) the filing date of the first filed of said patent applications.

STATEMENTS

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part.

*

Title of Invention	
As a below name	d inventor, I hereby declare that:
This declaration	
is directed to:	☑ The attached application, or
	United States application or PCT international application numberfiled on
The above-identifi	ed application was made or authorized to be made by me.
I believe that I am in the application.	the original inventor or an original joint inventor of a claimed invention
l hereby acknowle punishable under years, or both	dge that any willful false statement made in this declaration is 18 U.S.C. 1001 by fine or imprisonment of not more than five (5)

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR"), do hereby:

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AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such inventions to the Assignee;

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