02/15/2019 505331777

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5378558

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BO GAO	02/12/2019
YUE LI	02/12/2019
TIANKUO SHI	02/12/2019
YAFEI LI	02/12/2019
WEI SUN	02/12/2019
ZHIHUA JI	02/12/2019
JINXING LIU	02/12/2019
ZIJIAO XUE	02/12/2019
XIANGYI CHEN	02/12/2019

RECEIVING PARTY DATA

BEIJING BOE OPTOELECTRONICS TECHNOLOGY CO., LTD.
NO. 8 XIHUANZHONGLU, BDA
BEIJING
CHINA
100176
BOE TECHNOLOGY GROUP CO., LTD.
NO. 10 JIUXIANQIAO RD.
CHAOYANG DISTRICT
BEIJING
CHINA
100015

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16325930	

CORRESPONDENCE DATA

Fax Number: (516)228-8516

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: 516-228-8484

> **PATENT** REEL: 048346 FRAME: 0290

Email: JPALMET@dilworthbarrese.com

Correspondent Name: DILWORTH & BARRESE, LLP DILWORTH & BARRE

Address Line 1: 1000 WOODBURY ROAD

Address Line 2: SUITE 405

Address Line 4: WOODBURY, NEW YORK 11797

ATTORNEY DOCKET NUMBER: 1734-427

NAME OF SUBMITTER: MICHAEL J. MUSELLA

SIGNATURE: /mjm/

DATE SIGNED: 02/15/2019

Total Attachments: 18

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PATENT

REEL: 048346 FRAME: 0291

Title of Invention	
As a below	named inventor, I hereby declare that:
This decla	ration
is directed	to:
	United States application or PCT international application numberfiled on
The above-i	dentified application was made or authorized to be made by me.
l believe that in the applic	at I am the original inventor or an original joint inventor of a claimed invention ation.
	knowledge that any willful false statement made in this declaration is under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) th.

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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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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LEGAL NAME OF INVENTOR			
		ob. 12, b	
Inventor Bo GAO			

Title of Invention	
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LEGAL NAME OF INVENTOR			
Inventor: Yue LI			
Inventor: Yue LI			
Container IIIP I			

Title of Invention	
As a below	named inventor, I hereby declare that:
This decla	ration
is directed	to: The attached application, or
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The above-i	dentified application was made or authorized to be made by me.
I believe tha	at I am the original inventor or an original joint inventor of a claimed invention ation.
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LEGAL NAME OF INVENTOR	
Date: Feb. 12, 2019	
Inventor: Trankuo SHI Date Jou 17, 77/	
Signature Translate (H7	

Title of Invention	
As a below	named inventor, I hereby declare that:
This declar	ration
is directed	to:
	United States application or PCT international application numberfiled on
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LEGAL NAME OF INVENTOR	
	Date: Feb. 12, 2019
Inventor, Yafei L	
Signature (ofei L1	

Title of Invention	
As a below	named inventor, I hereby declare that:
This declara	ation
is directed t	o: ☑ The attached application, or
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LEGAL NAME OF INVENTOR	
Invertor: Zhihua Ji Date: Teb. 12, 2019	
Invertor: Zhihua J Date	

Ţ

Title of Invention	
As a below	named inventor, I hereby declare that:
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is directed	to: The attached application, or
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Docket No. X1704116B1-C18W2560.01US

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;

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LEGAL NAME OF INVENTOR Inventor: Jinking LIU Date: Feb. 12, 2019
Inventor: Jinking LIU Date: Feb. 2, 2019
Inventor: Jinking LIU Date: Feb. 2, 2019
Inventor: Jinking LIU Date: Feb. 2, 2019
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Inventor: Jinking LIU Date: Feb. \(\mathbb{L}\), \(\mathbb{LOIP}\)
Inventor: Jinking LIU Date: Feb. 2, 2019
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PATENT REEL: 048346 FRAME: 0305

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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., LTD. , having a place of business at No.8 Xihuanzhonglu, BDA. Beijing, 100176, P.R. China, and BOE Technology Group Co., Ltd., having a place of business at No.10 Juxiangiao Rd., Chaoyang District, Beijing ,100015, P.R. China (each 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/CN2018/105040 filed on Sep.11,2018; which in turn claims priority to CN201711298687.1 filed on Dec.08,2017; 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;

Docket No. X1704116B1-C18W2560.01US

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 <u>Dilworth & Barrese</u>. <u>LLP</u> 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.

LEGAL NAME OF INVENTOR

Inventor: Zijiao XUE

Signature: Zijiao XUE

Signature: Zijiao XUE

Title of Invention	
As a below	named inventor, I hereby declare that:
This declar	ration
is directed	to:
	United States application or PCT international application numberfiled on
The above-i	dentified application was made or authorized to be made by me.
I believe tha in the applic	t I am the original inventor or an original joint inventor of a claimed invention ation.
	nowledge that any willful false statement made in this declaration is under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) th.

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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ASSIGNOR HEREBY GRANTS to the agents and attorneys of <u>Dilworth & Barrese</u>, <u>LLP</u> 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.

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LEGAL NAME OF INVENTOR		
	Date: Feb. 12, 2019	
Inventor Xiangyi CHEN		
Signature XIGIGNI CHEN		