504853652 04/05/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4900391

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YANLI ZHAO	02/27/2018
XIAOJI LI	02/27/2018
KEGUO LIU	02/27/2018
XIUZHU TANG	02/27/2018
XIAOLONG LIU	02/27/2018
HE SUN	02/27/2018

RECEIVING PARTY DATA

BOE TECHNOLOGY GROUP CO., LTD.
NO. 10 JIUXIANQIAO RD.
CHAOYANG DISTRICT
BEIJING
CHINA
100015
CHONGQING BOE OPTOELECTRONICS TECHNOLOGY CO., LTD.
NO. 7 YUNHAN RD., SHUITU HI-TECH INDUSTRIAL ZONE
INO. 7 TONIAN RD., SHOTTO TIPTEON INDUSTRIAL ZONE
BEIBEI DISTRICT
·
BEIBEI DISTRICT

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15935183

CORRESPONDENCE DATA

Fax Number: (216)241-0816

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: 216-622-8206

Email: ipdocket@calfee.com, kbuzinski@calfee.com

Correspondent Name: TODD R. TUCKER

Address Line 1: CALFEE, HALTER & GRISWOLD LLP

PATENT

504853652 REEL: 045440 FRAME: 0979

Address Line 2: THE CALFEE BUILDING, 1405 EAST SIXTH ST. Address Line 4: CLEVELAND, OHIO 44114 **ATTORNEY DOCKET NUMBER:** 35769/04198 **NAME OF SUBMITTER:** TODD R. TUCKER **SIGNATURE:** /Todd R. Tucker/ **DATE SIGNED:** 04/05/2018 **Total Attachments: 12** source=04767833#page1.tif source=04767833#page2.tif source=04767833#page3.tif source=04767833#page4.tif source=04767833#page5.tif source=04767833#page6.tif source=04767833#page7.tif source=04767833#page8.tif source=04767833#page9.tif source=04767833#page10.tif source=04767833#page11.tif

source=04767833#page12.tif

PATENT REEL: 045440 FRAME: 0980

Title of Invention	
As a below	named inventor, I hereby declare that:
This decla	ration
is directed	to: The attached application, or
	United States application or PCT international application number filed on
The above-i	dentified application was made or authorized to be made by me.
t believe than the application	at I am the original inventor or an original joint inventor of a claimed invention action.
	cknowledge 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:

SELL, ASSIGN AND TRANSFER to <u>BOE TECHNOLOGY GROUP CO., LTD.</u>, having a place of business at <u>No.10 Jiuxianqiao Rd.</u> Chaoyang District, Beijing, 100015, <u>P. R. China</u>, and <u>Chongqing BOE Optoelectronics Technology Co., Ltd.</u>, having a place of business at <u>No.7 Yunhan Rd.</u>, Shuitu Hi-tech Industrial Zone, Beibei District, <u>Chongqing, 400714, P. R. China</u> (each hereinafter referred to as "ASSIGNEE"), the entire right, title and interest for the United States and all foreign countries in and to arry 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 <u>201710662613.5</u> filed on <u>August 4, 2017</u>; 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;

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.

LEGAL NAME OF INVENTOR	
Inventor: Yanli ZHAO	Date: Feb. 27. 2018
Signature: Yanli ZHAO	

Title of Invention	
As a below	named inventor, I hereby declare that:
This declar	7 The attached application or
The above-i	United States application or PCT international application number filed on dentified application was made or authorized to be made by me.
I believe tha in the applic	at I am the original inventor or an original joint inventor of a claimed invention ation.
	cknowledge 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;

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.

LEGAL NAME OF INVENTOR	
Invenior: Xiaoji Li	Date: Feb. 17. 2018
Signature: Xiapii II	

Title of Invention	
As a below name	d inventor, I hereby declare that:
This declaration is directed to:	The attached application, or
The above-identifi	United States application or PCT international application number filed on ed application was made or authorized to be made by me.
	the original inventor or an original joint inventor of a claimed inventior
	edge 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:

SELL, ASSIGN AND TRANSFER to BOE TECHNOLOGY GROUP CO., LTD., having a place of business at No.10 Jiuxianqiao Rd., Chaoyang District, Beijing, 100015, P. R. China, and Chongqing BOE Optoelectronics Technology Co., Ltd., having a place of business at No.7 Yunhan Rd., Shuitu Hi-tech Industrial Zone, Beibei District, Chongqing, 400714, 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 201710662613.5 filed on August 4, 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;

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STATEMENTS

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

LEGAL NAME OF INVENTOR	
Inventor: He SUN	Date: Feb , 27, 2018
Signature: HP SUN	

Title of Invention	
As a below	w named inventor, I hereby declare that:
This decla	aration
is directed	to: The attached application, or
	United States application or PCT international application numberfiled on
The above-i	identified application was made or authorized to be made by me.
I believe tha in the applic	nat I am the original inventor or an original joint inventor of a claimed invention cation.
	acknowledge 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 oth.

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P. R. China, and <u>Chongqing BOE Optoelectronics Technology Co., Ltd.</u>, having a place of business at <u>No.7 Yunhan Rd.</u>, <u>Shuitu Hi-tech Industrial Zone</u>, <u>Beibei District</u>, <u>Chongqing, 400714.</u> P. R. China (each hercinafter 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 <u>201710662613.5</u> filed on <u>August 4, 2017</u>; 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 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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STATEMENTS

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

LEGAL NAME OF INVENTOR	
Inventor: Keguo LIU	Date: 125.27-2018
Signature: Kogun LIU	

Title of Invention					
As a below named inventor, I hereby declare that:					
This declars	o: The attached application, or United States application or PCT international application numberfiled on				
The above-id	lentified application was made or authorized to be made by me.				
I believe that in the applica	I am the original inventor or an original joint inventor of a claimed inventionation.				
	knowledge that any willful false statement made in this declaration is inder 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) h.				

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STATEMENTS

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LEGAL NAME OF INVENTOR		
Inventor: Xiuzhu TANG	Date:	Feb. 27.208
Signature: Xiuxku TAHG		

Title of Invention	
As a below	v named inventor, I hereby declare that:
This decla	I to: United States application or PCT international application numberfiled on
I believe the	identified application was made or authorized to be made by me. at I am the original inventor or an original joint inventor of a claimed inventior cation. acknowledge that any willful false statement made in this declaration is
punishable years, or bo	under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5)

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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: Xiaolong LIU	Date: Feb. 27 2018
Signature: Xi Qolong LIU	