505385288 03/20/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5432081

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KUN YANG	02/13/2019
WENWU LU	02/13/2019
CHUNYANG NIE	02/13/2019
KE DAI	02/13/2019

RECEIVING PARTY DATA

Name:	HEFEI XINSHENG OPTOELECTRONICS TECHNOLOGY CO., LTD.
Street Address:	XINZHAN INDUSTRIAL PARK
Internal Address:	ANHUI
City:	HEFEI
State/Country:	CHINA
Postal Code: 230012	
Name:	BOE TECHNOLOGY GROUP CO., LTD.
Name: Street Address:	BOE TECHNOLOGY GROUP CO., LTD. NO. 10 JIUXIANQIAO RD.
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Street Address:	NO. 10 JIUXIANQIAO RD.
Street Address: Internal Address:	NO. 10 JIUXIANQIAO RD. CHAOYANG DISTRICT

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16335054	

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

ubahena@bannerwitcoff.com, bwptopat@bannerwitcoff.com Email:

BANNER & WITCOFF, LTD. **Correspondent Name:** 71 SOUTH WACKER DRIVE Address Line 1:

SUITE 3600 Address Line 2:

Address Line 4: CHICAGO, ILLINOIS 60606-7407

ATTORNEY DOCKET NUMBER:	008357.00792\US	
NAME OF SUBMITTER:	WILLIAM J. ALLEN	
SIGNATURE:	/William J. Allen/	
DATE SIGNED:	03/20/2019	
Total Attachments: 8		
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source=ExecutedAssignment#page2.tif		
source=ExecutedAssignment#page3.tif		
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Title of Invention	
As a below	named inventor, I hereby declare that:
This decla	ration
is directed	to: The attached application, or
<u>:</u>	United States application or PCT international application number
The above-	identified 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 cation.
	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) oth.

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 HEFEI XINSHENG OPTOELECTRONICS TECHNOLOGY CO., LTD., having a place of business at Xinzhan Industrial Park, Hefei, Anhui, 230012. P.R.China, and BOE TECHNOLOGY GROUP CO., LTD., having a place of business at No.10 Jiuxianqiao 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/CN2018/095988 filed on 07/17/2018; which in turn claims priority to CN 201710858445.7 filed on _09/20/2017; 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;

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Docker No. X1704065B5-C18W2141.01US

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property berein 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>Benner & Witcoff, Ltd.</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 Kun YANG Date Take 17 2019	
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Title of Invention	
As a below	named inventor, I hereby declare that:
This decla	ration
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<u>:</u>	United States application or PCT international application number
The above-	identified 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 cation.
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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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Decket No. X170466585-C189/2141-011/S

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, relasue, 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;

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LEGAL NAME OF INVENTOR	
Sharonhara (Marana anter	
2000 000 000 000 000 000 000 000 000 00	<u> </u>
Simultine: Working Us	

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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-	identified 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 cation.
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1

Docket No. X1704065B5-C18W2141.01US

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inventor <u>Changang NIS</u> <u>Date <u>F2</u> 5 <u>3</u> <u>2019</u></u>	CEGAL NAME OF INVENTOR	· e			,		
Survivore Changes Wil	Inventor. Chunyang NIE			Date:	eb. 13	2013	
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Title of Invention	
As a below named	inventor, I hereby declare that:
This declaration	
is directed to:	[™] The attached application, or
III :	United States application or PCT international application number
The above-identified	d application was made or authorized to be made by me.
I believe that I am thin the application.	ne original inventor or an original joint inventor of a claimed invention
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1

Docket No. X1704065B5-C18W2141.011;S

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LEGAL NAME OF INVENTOR	4.00.00
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Inventor Ke DAI - Feli B, 2019	
Signature: KE DAI	3

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PATENT REEL: 048652 FRAME: 0487

RECORDED: 03/20/2019