### 505496214 05/28/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5543018

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ENMING XIE	03/28/2019
DONGXU HAN	03/28/2019
WENCHAO BAO	03/28/2019
CHUN CAO	03/28/2019

#### **RECEIVING PARTY DATA**

Name:	HEFEI XINSHENG OPTOELECTRONICS TECHNOLOGY CO., LTD.	
Street Address:	XINZHAN INDUSTRIAL PARK	
City:	HEFEI, ANHUI	
State/Country:	CHINA	
Postal Code:	230012	
Name:	BOE TECHNOLOGY GROUP CO., LTD.	
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Street Address:	NO. 10 JIUXIANQIAO RD., CHAOYANG DISTRICT	
Street Address: City:	NO. 10 JIUXIANQIAO RD., CHAOYANG DISTRICT BEIJING	
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### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16423878

### **CORRESPONDENCE DATA**

**Fax Number:** (248)358-3351

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:** 248-358-4400

**Email:** mkatirtzidakis@brookskushman.com

**Correspondent Name:** BROOKS KUSHMAN **Address Line 1:** 1000 TOWN CENTER

Address Line 2: 22ND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075

ATTORNEY DOCKET NUMBER: | BOED1015PUSA

NAME OF SUBMITTER:	MICHAEL S. BRODBINE				
SIGNATURE:	/Michael S. Brodbine/				
<b>DATE SIGNED:</b> 05/28/2019					
Total Attachments: 8	·				
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Title of Invention	EOD MANIE	BOARD, DISPL UFACTURING		AND METI	HOD
As a belov	v named inve	ntor, I hereby de	clare that:		
This decla		The attached ap	oplication, or	E A	
The above-	nui	United States ap mber 16/423,878 lication was mad	filed	<sub>on</sub> May 28,	2019
	at I am the ori	en La Santa de La Região de La Calabria	e.		of a claimed invention
	under 18 U.S	at any willful fals .C. 1001 by fine			

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 CN201811244184.0 filed on Oct.24,2018; 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;

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 **Brooks Kushman P.C.** 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		328
Inventor: Enming XIE	M	Date: Man 28, 2019
Signature: Foming of F		

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Title of Invention		ARD, DISPLAY DEV ACTURING THE SA		METHOD	
As a below	named inventor,	hereby declare that			
This decla	ation				
is directed	to: The	attached application,	or 2	1504 1417	
	Unit	ed States application ( r 16/423,878	or PCT inte	ernational application by 28, 2019	t
The above-		ion was made or auth			
believe that in the applic	t I am the origina	l inventor or an origina	al joint inve	ntor of a claimed inv	ention
	under 18 U.S.C⊘	ny willful false stateme 1001 by fine or imprisc			ì

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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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LEGAL NAME	OF INVENTOR					
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Inventor: We	nchao BAO	 Date:	Nar.	28 .29)	ŕ	
	8 / N.			1		
Signature: [/	lenchan BAT	 				

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Title of Invention CIRCUIT BOARD, DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME

As a below named inventor, I hereby declare that:

This declaration

is directed to:

The attached application, or

United States application or PCT international application number 16/423,878 filed on May 28, 2019

The above-identified application was made or authorized to be made by me.

believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

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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~~	LEGAL NAME OF	INVENTOR		 	:		
		CAO	Alberta esperante de la companya de La companya de la co	)ate:	man of	2019	
	Signature: / hum	CAO.		 		,	

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Title of Invention	CIRCUIT BOARD, DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME
As a below	พ named inventor, I hereby declare that:
This decla	aration:
is directed	The attached application, or  [X] United States application or PCT international application number 16/423,878 filed on May 28, 2019
The above-	identified application was made or authorized to be made by me.
believe the believ	at I am the original inventor or an original joint inventor of a claimed invention cation.
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LEGAL NAME OF INVENTOR	,w
+ 10	
Inventor: Dongxu HAN	Date: MW-20-20-3
Signature: Dankow HAA/	
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