506073664 05/22/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6120379

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZHIDONG YUAN	03/25/2020
YONGQIAN LI	03/25/2020
CAN YUAN	03/25/2020

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.
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:	16766634

CORRESPONDENCE DATA

Fax Number: (612)339-6580

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: 6123391863

Email: kmmiller@kinney.com **Correspondent Name:** ALAN M. KOENCK

Address Line 1: 312 SOUTH THIRD STREET Address Line 2: KINNEY & LANGE, P.A.

Address Line 4: MINNEAPOLIS, MINNESOTA 55415

ATTORNEY DOCKET NUMBER: B862.312-0817

> **PATENT** REEL: 052737 FRAME: 0937

NAME OF SUBMITTER:	ALAN M. KOENCK	
SIGNATURE:	/Alan M. Koenck/	
DATE SIGNED:	05/22/2020	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 6	·	
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source=2020-05-22_ASSIGN-DEC_B862-312-817#page1.tif source=2020-05-22_ASSIGN-DEC_B862-312-817#page2.tif source=2020-05-22_ASSIGN-DEC_B862-312-817#page3.tif source=2020-05-22_ASSIGN-DEC_B862-312-817#page4.tif source=2020-05-22_ASSIGN-DEC_B862-312-817#page5.tif source=2020-05-22_ASSIGN-DEC_B862-312-817#page6.tif

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention	SHIFT REGISTER AND METHOD FOR DRIVING THE SAME, GATE DRIVING CIRCUIT AND DISPLAY APPARATUS
As a below	named inventor, I hereby declare that:
This declar	ration
is directed	to: The attached application, or
	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 und ersigned inventor (hereinafter referred to as "ASSIGNOR"), do hereby:

SELL, ASSIGN AND TRANSPER 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. , baving 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/CN2019/113404 filed on Oct.25,2019; which in turn claims priority to CN201811336183.9 filed on Nov.09,2018; 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;

1

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>KINNEY & LANGE</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			
2011 201266		Mar. 25, 2020	·
Inventor: Zhidono YUAN	Date:_		
Signature: 2 hidory YUAN		5 1	

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LEGAL NAME OF INVENTOR	A
Inventor: Yonggian LI Date:	Mar. 25, 2020
Signature Yong gian LI	

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LEGAL NAME OF INVENTOR	
Inventor Can YUAN	Date: Mar. 25, 2020
Signature: (&A YUAN	