

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6034769

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the FIRST APPLICANT'S ADDRESS previously recorded on Reel 052177 Frame 0505. Assignor(s) hereby confirms the FIRST APPLICANT'S ADDRESS SHOULD BE: "NO.198, MIDDLE OF KEFA AVENUE, HI-TECH ZONE, SICHUAN PROVINCE, MIANYANG, 621000, CHINA".

CONVEYING PARTY DATA

Name	Execution Date
YINGLONG HUANG	02/18/2020
BINGWEI YANG	02/18/2020
WENBAO GAO	02/26/2020

RECEIVING PARTY DATA

Name:	MIANYANG BOE OPTOELECTRONICS TECHNOLOGY CO., LTD.
Street Address:	NO.198, MIDDLE OF KEFA AVENUE, HI-TECH ZONE
Internal Address:	SICHUAN PROVINCE
City:	MIANYANG
State/Country:	CHINA
Postal Code:	621000
Name:	BOE TECHNOLOGY GROUP CO., LTD.
Street Address:	NO.10 JIUXIANQIAO RD., CHAOYANG DISTRICT
City:	BEIJING
State/Country:	CHINA
Postal Code:	100015

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16649283

CORRESPONDENCE DATA

Fax Number: (612)334-3312

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: 6123343222

Email: bdahllager@wck.com

Correspondent Name: JUDSON K CHAMPLIN

Address Line 1: 121 SOUTH EIGHTH STREET

Address Line 2: SUITE 1100

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER: B200.0902US1

NAME OF SUBMITTER: JUDSON K. CHAMPLIN

SIGNATURE: /Judson K. Champlin/

DATE SIGNED: 03/27/2020

Total Attachments: 15

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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.

Westman, Champlin & Koehler, P.A.

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STATEMENTS

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LEGAL NAME OF INVENTOR	
Inventor: <u>Yinglong HUANG</u>	Date: <u>FEB. 18, 2020</u>
Signature: <u>Yinglong HUANG</u>	

**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	PIXEL CIRCUIT, DRIVING METHOD THEREOF AND DISPLAY PANEL
<p>As a below named inventor, I hereby declare that:</p> <p>This declaration is directed to: <input checked="" type="checkbox"/>The attached application, or <input type="checkbox"/>United States application or PCT international application number _____ _____ filed on _____.</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>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.</p>	

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 MIANYANG BOE OPTOELECTRONICS TECHNOLOGY CO.,LTD., having a place of business at NO.198, Middle of KeFa Avenue, Hi-tech Zone, Mianyang, Sichuan,621000 , P.R. China and BOE TECHNOLOGY GROUP CO., LTD. having a place of business at No.10 Jiuxianqiao Rd., Chaoyang District, Beijing 100015, China (each hereafter referred to as "ASSIGNEEs") 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/CN2019/107530 filed on September 24, 2019; which in turn claims priority to CN201910001300.4 filed on January 2, 2019; 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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LEGAL NAME OF INVENTOR	
Inventor: <u>Bingwei YANG</u>	Date: <u>Feb 18, 2020</u>
Signature: <u>Bingwei Yang</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Wenbao GAO</u>	Date: <u>Feb. 26, 2020</u>
Signature: <u>Wenbao Gao</u>	



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 23, 2020

PTAS

JUDSON K CHAMPLIN
121 SOUTH EIGHTH STREET
SUITE 1100
MINNEAPOLIS, MN 55402

505977689

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 03/20/2020

REEL/FRAME: 052177/0505
NUMBER OF PAGES: 8

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: B200.0902US1

ASSIGNOR:

HUANG, YINGLONG

DOC DATE: 02/18/2020

ASSIGNOR:

YANG, BINGWEI

DOC DATE: 02/18/2020

ASSIGNOR:

GAO, WENBAO

DOC DATE: 02/26/2020

ASSIGNEE:

MIANYANG BOE OPTOELECTRONICS
TECHNOLOGY CO., LTD.
NO.198, MIDDLE OF KEFA AVENUE,
HI-TECH ZONE
SICHUAN PROVINCE
MIANYANG, CHINA 621000

ASSIGNEE:

BOE TECHNOLOGY GROUP CO., LTD.
NO.10 JIUXIANQIAO RD., CHAOYANG
DISTRICT
BEIJING, CHINA 100015

APPLICATION NUMBER: 16649283

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: PIXEL CIRCUIT, DRIVING METHOD THEREOF AND DISPLAY PANEL

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6024397

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YINGLONG HUANG	02/18/2020
BINGWEI YANG	02/18/2020
WENBAO GAO	02/26/2020
RECEIVING PARTY DATA	
Name:	MIANYANG BOE OPTOELECTRONICS TECHNOLOGY CO., LTD.
Street Address:	NO.198, MIDDLE OF KEFA AVENUE, HI-TECH ZONE
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16649283
CORRESPONDENCE DATA	
Fax Number:	(612)334-3312
<i>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.</i>	
Phone:	6123343222
Email:	bdahlager@wck.com
Correspondent Name:	JUDSON K CHAMPLIN
Address Line 1:	121 SOUTH EIGHTH STREET
Address Line 2:	SUITE 1100
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	B200.0902US1

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<p>As a below named inventor, I hereby declare that:</p> <p>This declaration is directed to: <input checked="" type="checkbox"/>The attached application, or <input type="checkbox"/>United States application or PCT international application number _____ <u>16/649,283</u> filed on <u>March 20, 2020</u>.</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>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.</p>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Yinglong HUANG</u>	Date: <u>FEB. 18, 2020</u>
Signature: <u>Yinglong HUANG</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Bingwei YANG</u>	Date: <u>Feb 18, 2020</u>
Signature: <u>Bingwei Yang</u>	

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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;

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.

Westman, Champlin & Koehler, P.A.

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.

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: <u>Wenbao GAO</u>	Date: <u>Feb. 26, 2020</u>
Signature: <u>Wenbao Gao</u>	