506837866 08/26/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6884687

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZHIWEN CHU	08/10/2021
XIANGDAN DONG	08/10/2021
BO ZHANG	08/10/2021
YULONG WEI	08/10/2021

RECEIVING PARTY DATA

Name:	CHENGDU BOE OPTOELECTRONICS TECHNOLOGY CO., LTD.	
Street Address:	NO.1188 HEZUO RD., (WEST ZONE), HI-TECH DEVELOPMENT ZONE,	
City:	CHENGDU, SICHUAN	
State/Country:	CHINA	
Postal Code:	611731	
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:	17434068

CORRESPONDENCE DATA

Fax Number: (703)485-1022

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: 2022630808

Email: firmpatent@yahoo.com **HOUTTEMAN LAW LLC Correspondent Name:**

Address Line 1: PO BOX 370

Address Line 4: MERRIFIELD, VIRGINIA 22116-0370

ATTORNEY DOCKET NUMBER:	700.211
NAME OF SUBMITTER:	ZHUO XU

PATENT REEL: 057321 FRAME: 0693 506837866

/ZHUO XU/		
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PATENT REEL: 057321 FRAME: 0694

Title of Invention	DISPLAY SUBSTRATE, METHOD FOR DRIVING THE SAME AND DISPLAY DEVICE		
As a below	named inventor, I hereby declare that:		
This decla	The attached application or		
is directed	United States application or PCT international application number		
The above-	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.		
	snowledge 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)		

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 Chengdu BOE Optoelectronics Technology Co.,
Ltd. , having a place of business at No.1188 Hezuo Rd., (West Zone), Hi-tech
Development Zone, Chengdu, Sichuan, 611731, P.R.China, and BOE
TECHNOLOGY GROUP CO., LTD. , having a place of business at No.10
Jiuxiangiao 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/CN2021/074452
filed on Jan 29,2021; which in turn claims priority to CN202010097265.3
filed on Feb.17.2020; 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 Assignce;

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.

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 NA	ME OF INVENT		***************************************		
Inventor:	Zhiwen CHU		Q:	ne: Aug.	10,202
Signature:	Zhiwan (CHU		¥	

Title of Invention	DISPLAY SUBSTRATE, METHOD FOR DRIVING THE SAME AND DISPLAY DEVICE		
As a below	v named inventor, I hereby declare that:		
This decla	ration		
is directed	to: The attached application, or		
	United States application or PCT international application numberfiled on		
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 sation.		
	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) with.		

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filed on Feb.17.2020; 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
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LEGAL NAME OF INVENTOR	
Inventor: Xiangdan DONG	Date: Aug. 10.202)
Signature: Xiang dum DONG	<u> </u>

Title of Invention	DISPLAY SUBSTRATE, METHOD FOR DRIVING THE SAME AND DISPLAY DEVICE					
As a below	v named inventor, I hereby declare that:					
This declar	ration					
is directed	to: 7 The attached application, or					
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ASSIGNOR HEREBY GRANTS to the agents and attorneys of Houtteman Law LLC 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.

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Inventor: Bo ZHANG
Signature: Bo ZHANG

Title of Invention	DISPLAY SUBSTRATE, METHOD FOR DRIVING THE SAME AND DISPLAY DEVICE
As a below	named inventor, I hereby declare that:
This decla	ration
is directed	to: F The attached application, or
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The above-	dentified application was made or authorized to be made by me.
in the applic I hereby ack	mowledge 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)
adequacy or referred to a SELL, ASS Ltd,ha	OOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and f which are hereby acknowledged, each undersigned inventor (hereinafter s "ASSIGNOR"), do hereby: IGN AND TRANSFER to <u>Chengdu BOE Optoelectronics Technology Co.</u> ving a place of business at No.1188 Hezuo Rd. (West Zone). Hi-tech at Zone, Chengdu, Sichuan, 611731, P.R.China , and BOE
	OGY GROUP CO LTD , having a place of business at No.10

<u>Invitancial Rd. Chaovang District.</u> 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 <u>PCF/CN2021/074452</u> filed on <u>Jan 29,2021</u>; which in turn claims priority to <u>CN202010097265.3</u> filed on <u>Fcb 17,2020</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

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such application in the United States;

5

PATENT REEL: 057321 FRAME: 0701

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LEGAL NAM	E OF INVENTOR				
Inventor:	Yulong WEI	 Date: /	Aug. 1	0 . 202	
Signature:	Yolong WEL		<i>-</i>		

8

PATENT REEL: 057321 FRAME: 0702

RECORDED: 08/26/2021