504488163 08/03/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4534865

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JING WANG	07/06/2017
MING ZHANG	07/06/2017
XIAODONG XIE	07/06/2017
MIN HE	07/06/2017
DONG LI	07/06/2017

RECEIVING PARTY DATA

Name:	BOE TECHNOLOGY GROUP CO., LTD.	
Street Address:	NO. 10 JIUXIANQIAO RD., CHAOYANG DISTRICT	
City:	BEIJING	
State/Country:	CHINA	
Postal Code:	100015	
	HEFEI XINSHENG OPTOELECTRONICS TECHNOLOGY CO., LTD.	
Name:	HEFELXINSHENG OPTOELECTRONICS TECHNOLOGY CO., LTD.	
Name: Street Address:	XINZHAN INDUSTRIAL PARK, HEFEI	
	,	
Street Address:	XINZHAN INDUSTRIAL PARK, HEFEI	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15668144

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: 2483584400

Email: mkatirtzidakis@brookskushman.com

Correspondent Name: BROOKS KUSHMAN P.C.

Address Line 1: 1000 TOWN CENTER

Address Line 2: TWENTY-SECOND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075

Address Line 4: SOUTHFIELD, MICHIGAN 4807

PATENT 504488163 REEL: 043190 FRAME: 0429

ATTORNEY DOCKET NUMBER:	BOED0634PUSA
NAME OF SUBMITTER:	MARK E. STUENKEL
SIGNATURE:	/Mark E. Stuenkel/
DATE SIGNED:	08/03/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 10 source=Assign_and_Decl_BOED0634	PUSA#page1.tif

source=Assign_and_Decl_BOED0634PUSA#page1.tif source=Assign_and_Decl_BOED0634PUSA#page2.tif source=Assign_and_Decl_BOED0634PUSA#page3.tif source=Assign_and_Decl_BOED0634PUSA#page4.tif source=Assign_and_Decl_BOED0634PUSA#page5.tif source=Assign_and_Decl_BOED0634PUSA#page6.tif source=Assign_and_Decl_BOED0634PUSA#page7.tif source=Assign_and_Decl_BOED0634PUSA#page8.tif source=Assign_and_Decl_BOED0634PUSA#page9.tif source=Assign_and_Decl_BOED0634PUSA#page9.tif

PATENT REEL: 043190 FRAME: 0430

Title of Invention

TOUCH SUBSTRATE AND METHOD FOR FORMING THE SAME,

AND TOUCH DISPLAY DEVICE

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 $\frac{15/668,144}{1000}$ filed on $\frac{\text{Aug}}{1000}$ filed on $\frac{\text{Aug}}{1000}$

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:

SELL, ASSIGN AND TRANSFER to BOE TECHNOLOGY GROUP CO., LTD., having a place of business at No.10 Jiuxianqiao Rd., Chaoyang District, Beijing 100015, China, and HEFEI XINSHENG OPTOELECTRONICS TECHNOLOGY CO., LTD., having a place of business at Xinzhan Industrial Park, Hefei, Anhui 230012, 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 CN 201610683036.3 filed on August 17, 2016; which in turn claims priority to _; such applications and all divisional, continuing, filed on 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

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	
Inventor: Jing WANG Date: JINY . b . 201	
Signature: JM WMNG	

2

Title of Invention

TOUCH SUBSTRATE AND METHOD FOR FORMING THE SAME,

AND TOUCH DISPLAY DEVICE

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 15/668,144 filed on Aug. 3, 2017

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

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

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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;

3

Docket No.	BOED0634PUSA
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LEGAL NAME OF INVENTOR		
Inventor: Ming ZHANG	Date: July . b . 201	
Signature: Miwy ZHANG		

Title of Invention

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LEGAL NAME O	F INVENTOR		
Inventor:	Xiaodong XIE	_ Date: _ July , 6 , 20 7	
Signature: 	viao day XIE		

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LEGAL NAME OF INVENTOR
Inventor: Min HE Date: July 6. WI
Signature: Min HE

Title of Invention

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 $^{\uparrow X}$ United States application or PCT international application number ~15/668,144~ filed on $^{Aug}.~^3,~^{201}7$

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LEGAL NAME OF INVENTOR
Inventor: Dong LI Date: July. 6, 2017
Signature: Day LI

RECORDED: 08/03/2017