504705970 12/28/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4752692

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAN XU	10/23/2017

RECEIVING PARTY DATA

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:	15842927

CORRESPONDENCE DATA

Fax Number: (216)241-0816

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: KENNETH J. SMITH

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ATTORNEY DOCKET NUMBER:	31411/04473
NAME OF SUBMITTER:	KENNETH J. SMITH
SIGNATURE:	/ken smith/
DATE SIGNED:	12/28/2017

Total Attachments: 2 source=04630346#page1.tif

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PATENT 504705970 REEL: 044495 FRAME: 0411

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 APPARATUS	
As a below named inventor, I hereby declare that:		
This declar	₩ The attached application, or	
The above-i	United States application or PCT international application number filed on 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 cation.	
	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) of the control	

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,
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>CN 201710278367.3</u> filed on <u>April 25, 2017</u> ; which in turn claims priority
to filed on; 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

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such inventions to the Assignce;

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;

1

PATENT REEL: 044495 FRAME: 0412

Docket No. X1607546JZ-FPPH17130336US

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.

AASSIGNOR HEREBY GRANTS to the agents and attorneys of <u>CALFEE</u>, <u>HALTER & GRISWOLD LLP</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	
Inventor:	Pan XU	Date: Oct. 23, 2017
Signature:	Pan XU	

2

PATENT REEL: 044495 FRAME: 0413