### 09/11/2018 505088135

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5134893

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
GUANGLIANG SHANG	08/28/2018
LIUGANG ZHOU	08/28/2018
HAOLIANG ZHENG	08/28/2018
YAOQIU JING	08/28/2018
MINGFU HAN	08/28/2018
SEUNGWOO HAN	08/28/2018

# **RECEIVING PARTY DATA**

Name: BOE TECHNOLOGY GROUP CO., LTD.	
Street Address:	NO. 10 JIUXIANQIAO RD., CHAOYANG DISTRICT
City: BEIJING	
State/Country: JAPAN	
Postal Code:	100015

# **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16084027

# **CORRESPONDENCE DATA**

Fax Number: (202)822-1111

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: 2028221100

Email: PatentMail@Whda.com

**Correspondent Name:** WESTERMAN, HATTORI, DANIELS & ADRIAN LLP

Address Line 1: 1250 CONNECTICUT AVENUE NW,

Address Line 2: SUITE 700

Address Line 4: WASHINGTON, D.C. 20036

ATTORNEY DOCKET NUMBER:	P180782US00
NAME OF SUBMITTER:	YOLIDIA A. PASOS
SIGNATURE:	/YOLIDIA A. PASOS/
DATE SIGNED:	09/11/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

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**REEL: 047479 FRAME: 0986** 505088135

# Total Attachments: 12 source=P180782US00\_Dec&Assignment\_09\_11\_2018#page1.tif source=P180782US00\_Dec&Assignment\_09\_11\_2018#page2.tif source=P180782US00\_Dec&Assignment\_09\_11\_2018#page3.tif source=P180782US00\_Dec&Assignment\_09\_11\_2018#page4.tif source=P180782US00\_Dec&Assignment\_09\_11\_2018#page5.tif source=P180782US00\_Dec&Assignment\_09\_11\_2018#page6.tif source=P180782US00\_Dec&Assignment\_09\_11\_2018#page7.tif source=P180782US00\_Dec&Assignment\_09\_11\_2018#page8.tif source=P180782US00\_Dec&Assignment\_09\_11\_2018#page9.tif source=P180782US00\_Dec&Assignment\_09\_11\_2018#page10.tif source=P180782US00\_Dec&Assignment\_09\_11\_2018#page11.tif source=P180782US00\_Dec&Assignment\_09\_11\_2018#page11.tif source=P180782US00\_Dec&Assignment\_09\_11\_2018#page12.tif

As a below name	d inventor, I hereby declare that:	
This declaration		
is directed to:	▼ The attached application, or	
	United States application or PCT internation	onal application
The above-identific	d application was made or authorized to be made by i	ne.
I believe that I am in the application.	the original inventor or an original joint inventor of a c	aimed invention
hereby acknowk ounishable under	edge that any willful false statement made in this 18 U.S.C. 1001 by fine or imprisonment of not more	declaration is re 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 BOE Technology Group Co., Ltd. having a place of business at No.10 Jiuxiangiao Rd., Chaoyang District. Beijing ,100015, P.R. China \_\_\_\_ (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 PCT/CN2018/082178 filed on Apr.08,2018; which in turn claims priority to CN201710665973.0 filed on Aug.07.2017; 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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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>WHDA</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.

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## STATEMENTS

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

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LEGAL NAME OF INVENTOR		À:	~0 ~0	
Inventor:Guangliang SHANG	Date	: Hug.	28,7278	
Signature Guardine	5414119	V		

Title of Invention	DRIVING CIRCUIT OF DISPLAY PANEL, DRIVING METHOD THEREOF, AT DISPLAY PANEL
X	named inventor, I hereby declare that:
This declar	atien
is directed	o:   ☑ The attached application, or
	United States application or PCT international application
The above-id	numberfiled on, fentified application was made or authorized to be made by me.
in the applica I hereby ac	knowledge that any willful false statement made in this declaration is ander 18 U.S.C. 1001 by fine or imprisonment of not more than five (5
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claim priority based on such application in the United States;

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LEGAL NAME OF INVENTOR		
Inventor: Liugang ZHOU	Dale: Aug. 28, 2018	è
Signature: Liugang ZHOU		

	d inventor, I hereby declare that:
This declaration	
is directed to:	
	United States application or PCT international application numberfiled on
The above-identifi	ed application was made or authorized to be made by me.
I believe that I am in the application.	the original inventor or an original joint inventor of a claimed inventior

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LEGAL NAME OF INVENTOR	i n o-
Inventor: <u>Yaoqiu JING</u>	Date: Aug. 28, 2018
signature Uzoqui Jing	V
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Title of DRIVIN	G CIRCUIT OF DISPLAY PANEL, DRIVING METHOD THEREOF, AN AY PANEL
	inventor, I hereby declare that:
This declaration is directed to:	F The attached application, or  F United States application or PCT international application numberfiled on
I believe that I am to in the application. I hereby acknowle	fapplication was made or authorized to be made by me.  The original inventor or an original joint inventor of a claimed invention  The original inventor or an original joint inventor of a claimed invention  The original inventor of a claimed in this declaration is  The original to be the original to the original original invention is the original original original original to the original origina
adequacy of which	ND VALUABLE CONSIDERATION, the receipt, sufficiency and are hereby acknowledged, each undersigned inventor (hereinafter GNOR"), do hereby:
,having a pla Beijing_100015, P "ASSIGNEE"), the countries in and to application for U undersigned conce PCT/CN2018/0821 CN201710665973, continuing, substitu- been or shall be f	N AND TRANSFER to <u>BOE Technology Group Co., Ltd.</u> cc of business at <u>No.10 Jiuxianqiao Rd., Chaoyang District.</u> R. China (hereinafter referred to as the entire right, title and interest for the United States and all foreign of any and all inventions which are disclosed in the above-identified inited States Letters Patent, which has been executed by the surrently herewith, which claims priority to 78 filed on <u>Apr.08.2018</u> ; which in turn claims priority to 0 filed on <u>Aug.07.2017</u> ; such applications and all divisional, atte, renewal, reissue and all other applications for patent which have illed in the United States and all foreign countries on any of such inal and reissued patents which have been or shall be issued in the

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LEGAL NAME OF INVENTOR					
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		Λ.	NO -	No. 11 8 15 16	
Inventor: Seunawaa HAN	Date:	MMP.	~~~ () · ·	2001	300000000000000000000000000000000000000
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Signature: Seumation 1994					
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Ms a Delow Hallie	ed inventor, I hereby declare that:	
This declaration		
is directed to:	The attached application, or	
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The above-identifi	ied application was made or authorized to be made by me.	
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LEGAL NAME OF IN	(VENTOR	: 100 mg/s		•
		$\Delta m$	1 7 Î ) a 1 Î	
Inventor: Haoliano	g ZHENG	Dale: (', v', j	0 , 2 , 0	
	\$			
I Signsture: H0	ko//GMg ZHLNU			

Title of DRIVING	G CIRCUIT OF DISPLAY PANEL, DRIVING METHOD THEREOF, AN AY PANEL
1	inventor, I hereby declare that:
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The above-identified	numberfiled on
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	LEGAL NAME OF INVENTOR	
		1.10 78 DV
	Inventor: Minofu HAN	Date: AWA
	istinadas HAV	Vers.
	Signature: PUVAJ W 1777	33

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