506271140 09/25/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6317887

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XUEGUANG HAO	08/31/2020
FANG LIU	08/31/2020
BO ZHANG	08/31/2020

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
Name:	ORDOS YUANSHENG OPTOELECTRONICS CO., LTD.
Street Address:	ORDOS EQUIPMENT MANUFACTURING BASE
Internal Address:	DONGSHENG DISTRICT
City:	ORDOS INNER MONGOLIA
State/Country:	CHINA
Postal Code:	017020

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17032110

CORRESPONDENCE DATA

Fax Number: (513)977-8141

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: 5139778200

Email: jessica.saxon@dinsmore.com

Correspondent Name: DINSMORE & SHOHL Address Line 1: 255 E 5TH STREET

Address Line 2: **SUITE 1700**

Address Line 4: CINCINNATI, OHIO 45202

> **PATENT** REEL: 053882 FRAME: 0024

506271140

ATTORNEY DOCKET NUMBER:	127328-163 / BOE0075IA
NAME OF SUBMITTER:	CRAIG E. NIEHEISEL
SIGNATURE:	/Craig E. Nieheisel/
DATE SIGNED:	09/25/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 8	
source=BOE0075IA_Declarations#page1.tif	
source=BOE0075IA_Declarations#page2.tif	

source=BOE0075IA_Declarations#page1.tif source=BOE0075IA_Declarations#page2.tif source=BOE0075IA_Declarations#page3.tif source=BOE0075IA_Declarations#page4.tif source=BOE0075IA_Declarations#page5.tif source=BOE0075IA_Declarations#page6.tif source=BOE0075IA_Declarations#page7.tif source=BOE0075IA_Declarations#page8.tif

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	DISPLAY PANEL AND DISPLAY APPARATUS
As a below	named inventor, I hereby declare that:
This declaration is directed to: United States application or PCT international application or mumberfiled on	
	dentified application was made or authorized to be made by me. I am the original inventor or an original joint inventor of a claimed inventionation.
	knowledge that any willful false statement made in this declaration is nder 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years.

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, and ORDOS YUANSHENG OPTOELECTRONICS CO., LTD., having a place of business at ORDOS EQUIPMENT MANUFACTURING BASE, DONGSHENG DISTRICT, ORDOS, INNER MONGOLIA,017020, 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 is a continuation in part of U.S. Patent Application No. 16/301,911 filed on November 15, 2018, which is a U.S. National Stage Application Under 35 U.S.C. § 371 of International Patent Application No. PCT/CN2018/080179 filed on Mar. 23, 2018; which in turn claims priority to Chinese Patent Application No. 201710363929.4 filed on May 22, 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;

REEL: 053882 FRAME: 0026

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.

ASSIGNOR HEREBY GRANTS to the agents and attorneys of <u>DINSMORE & SHOHL 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: _ HAO, Xueguang Date: Awq .31, WW

Signature: HAO, Xuequang

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	DISPLAY PANEL AND DISPLAY APPARATUS
As a below named inventor, I hereby declare that:	
This declar is directed The above-i	₩ The attached application, or
l believe tha in the applic	t I am the original inventor or an original joint inventor of a claimed inventior ation.
I hereby accumishable of the period of the p	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) th.

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, and ORDOS YUANSHENG OPTOELECTRONICS CO., LTD., having a place of business at ORDOS EQUIPMENT MANUFACTURING BASE, DONGSHENG DISTRICT, ORDOS, INNER MONGOLIA.017020, 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 is a continuation in part of U.S. Patent Application No. 16/301,911 filed on November 15, 2018, which is a U.S. National Stage Application Under 35 U.S.C. § 371 of International Patent Application No. PCT/CN2018/080179 filed on Mar. 23, 2018; which in turn claims priority to Chinese Patent Application No. 201710363929.4 filed on May 22, 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;

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 nominces 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>DINSMORE & SHOHL 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: LIU, Fang Date: Aug. 31, 2020
	Signature: LIU, Found

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	DISPLAY PANEL AND DISPLAY APPARATUS
As a below named inventor, I hereby declare that:		named inventor, I hereby declare that:
	This declaration	
	is directed	to: The attached application, or to:
***************************************		United States application or PCT international application numberfiled on
h	he above-io	lentified application was made or authorized to be made by me.
8	believe that the applica	I am the original inventor or an original joint inventor of a claimed invention tion.
ρι	hereby acl unishable u ears, or both	knowledge that any willful false statement made in this declaration is nder 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 BOE TECHNOLOGY GROUP CO., LTD., having a place of business at NO.10 JIUXIANQIAO RD., CHAOYANG DISTRICT. BELJING, 100015, P.R. CHINA, and ORDOS YUANSHENG OPTOELECTRONICS CO., LTD., having a place of business at ORDOS EQUIPMENT MANUFACTURING BASE, DONGSHENG DISTRICT, ORDOS, INNER MONGOLIA,017020, 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 is a continuation in part of U.S. Patent Application No. 16/301,911 filed on November 15, 2018, which is a U.S. National Stage Application Under 35 U.S.C. § 371 of International Patent Application No. PCT/CN2018/080179 filed on Mar. 23, 2018; which in turn claims priority to Chinese Patent Application No. 201710363929.4 filed on May 22, 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;

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.

ASSIGNOR HEREBY GRANTS to the agents and attorneys of <u>DINSMORE & SHOHL 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: ZHANG, Bo Date: Aug. 31, 7570
Signature: ZHANG, Bo

PATENT REEL: 053882 FRAME: 0033

RECORDED: 09/25/2020