#### 505620941 08/14/2019

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5667743

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
YANGPENG WANG	05/23/2019
YANG WANG	05/23/2019
KUO SUN	05/23/2019

### **RECEIVING PARTY DATA**

Name:	CHENGDU BOE OPTOELECTRONICS TECHNOLOGY CO., LTD.
Street Address:	NO. 1188 HEZUO RD., (WEST ZONE)
Internal Address:	HI-TECH DEVELOPMENT ZONE, CHENGDU
City:	SICHUAN
State/Country:	CHINA
Postal Code:	611731
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:	16484831	

### **CORRESPONDENCE DATA**

505620941

Fax Number: (216)241-0816

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Email: ipdocket@calfee.com, kbuzinski@calfee.com

**Correspondent Name:** KENNETH J. SMITH

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THE CALFEE BUILDING, 1405 EAST SIXTH ST. Address Line 2:

CLEVELAND, OHIO 44114 Address Line 4:

> **PATENT** REEL: 050047 FRAME: 0953

ATTORNEY DOCKET NUMBER:	31411/04752
NAME OF SUBMITTER:	KENNTH J. SMITH
SIGNATURE:	/ken smith/
DATE SIGNED:	08/14/2019

### **Total Attachments: 6**

source=2019-08-x\_-\_31411-04752\_-\_executed\_Oath\_and\_Assignment\_as\_filed\_-\_fpph18130326us#page1.tif source=2019-08-x\_-\_31411-04752\_-\_executed\_Oath\_and\_Assignment\_as\_filed\_-\_fpph18130326us#page2.tif source=2019-08-x\_-\_31411-04752\_-\_executed\_Oath\_and\_Assignment\_as\_filed\_-\_fpph18130326us#page3.tif source=2019-08-x\_-\_31411-04752\_-\_executed\_Oath\_and\_Assignment\_as\_filed\_-\_fpph18130326us#page4.tif source=2019-08-x\_-\_31411-04752\_-\_executed\_Oath\_and\_Assignment\_as\_filed\_-\_fpph18130326us#page5.tif source=2019-08-x\_-\_31411-04752\_-\_executed\_Oath\_and\_Assignment\_as\_filed\_-\_fpph18130326us#page6.tif

PATENT REEL: 050047 FRAME: 0954

# 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	TOUCH PANEL AND TOUCH DEVICE
As a below	named inventor, I hereby declare that:
This decla	to: The attached application, or
The above-	United States application or PCT international application number filed on dentified application was made or authorized to be made by me.
l believe tha in the applic	at I am the original inventor or an original joint inventor of a claimed invention ation.
	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 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
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 PCT/CN2019/071101
filed on Jan.10,2019; which in turn claims priority to CN201810579908.0
filed on Jun.07,2018; 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.

CALFEE, HALTER & GRISWOLD LLP

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 NAME OF INVENTOR	
Inventor: Yangpeng WANG	Date: May. 23, 2019
Signature: Youngizena WANG	J 1

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the original inventor or an original joint inventor of a claimed invention
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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;

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;

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CALFEE, HALTER & GRISWOLD LLP

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		***************************************
LEGAL NAME OF INVENTOR		
Inventor: Yang WANG	Date: May 23,	2019
Signature: Yang WANC		

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is directed	to: The attached application, or
	United States application or PCT international application number
The above-	identified application was made or authorized to be made by me.
I believe that 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) oth.

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LEGAL NAME OF INVENTOR		
Inventor: Kuo SUN	Date: May 23.	2019
Signature: Lup SVM	1	(