

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5915585

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
XIANQIN MENG	11/26/2019
WEI WANG	11/26/2019
JIFENG TAN	11/26/2019
XIANDONG MENG	11/26/2019
XIAOCHUAN CHEN	11/26/2019
JIAN GAO	11/26/2019
FANGZHOU WANG	11/26/2019
PENGXIA LIANG	11/26/2019
RECEIVING PARTY DATA	
Name:	BOE TECHNOLOGY GROUP CO., LTD.
Street Address:	NO. 10 JIUXIANQIAO ROAD, CHAOYANG DISTRICT
City:	BEIJING
State/Country:	CHINA
Postal Code:	100015
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16631722
CORRESPONDENCE DATA	
Fax Number:	(612)334-3312
<i>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.</i>	
Phone:	6123343222
Email:	eguetzko@wck.com
Correspondent Name:	JUDSON K CHAMPLIN
Address Line 1:	121 SOUTH EIGHTH STREET
Address Line 2:	SUITE 1100
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	B200.0862US1
NAME OF SUBMITTER:	JUDSON K. CHAMPLIN
SIGNATURE:	/Judson K. Champlin/

PATENT

DATE SIGNED:	01/16/2020
Total Attachments: 16 source=Assignment_2020-01-16#page1.tif source=Assignment_2020-01-16#page2.tif source=Assignment_2020-01-16#page3.tif source=Assignment_2020-01-16#page4.tif source=Assignment_2020-01-16#page5.tif source=Assignment_2020-01-16#page6.tif source=Assignment_2020-01-16#page7.tif source=Assignment_2020-01-16#page8.tif source=Assignment_2020-01-16#page9.tif source=Assignment_2020-01-16#page10.tif source=Assignment_2020-01-16#page11.tif source=Assignment_2020-01-16#page12.tif source=Assignment_2020-01-16#page13.tif source=Assignment_2020-01-16#page14.tif source=Assignment_2020-01-16#page15.tif source=Assignment_2020-01-16#page16.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	OPTICAL DEVICE AND SPECTRAL DETECTION APPARATUS
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 <u>16/631,722</u> filed on <u>16 January 2020</u>
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.	
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 Juxiangqiao 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 to PCT/CN2019/097336 filed on Jul.23,2019; which in turn claims priority to CN201810867241.4 filed on Jul.31,2018; 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.

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LEGAL NAME OF INVENTOR	
Inventor: <u>Xiangin MENG</u>	Date: <u>Mar. 26, 2019</u>
Signature: <u>Xiangin MENG</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Wei WANG</u>	Date: <u>Nov. 26, 2019</u>
Signature: <u>Wei WANG</u>	

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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/CN2019/097336 filed on Jul 23, 2019; which in turn claims priority to
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continuing, substitute, renewal, reissue and all other applications for patent which have
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United States and all foreign countries on such inventions; and specifically including the
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LEGAL NAME OF INVENTOR	
Inventor: <u>Jifeng TAN</u>	Date: <u>Nov. 26, 2009</u>
Signature: <u>Jifeng TAN</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Xiandong MENG</u>	Date: <u>Nov. 26, 2019</u>
Signature: <u>Xiandong MENG</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Xiaochuan CHEN</u>	Date: <u>Nov. 26, 2019</u>
Signature: <u>Xiaochuan CHEN</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Jian GAO</u>	Date: <u>Nov. 26, 2019</u>
Signature: <u>Jian GAO</u>	

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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 Westman, Champlin & Keebler, P.A. 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: <u>Fangzhou WANG</u>	Date: <u>Nov. 26, 2019</u>
Signature: <u>Fangzhou WANG</u>	

**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	OPTICAL DEVICE AND SPECTRAL DETECTION APPARATUS
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 _____ filed on _____
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.	
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 Juxiangqiao 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 to
PCT/CN2019/097336 filed on Jul 23, 2019; which in turn claims priority to
CN201810867241.4 filed on Jul 31, 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;

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LEGAL NAME OF INVENTOR	
Inventor: Pengxia LIANG	Date Nov. 26, 2019
Signature: Pengxia LIANG	