

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6536367

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
XUELING GAO	09/10/2019
KUANJUN PENG	09/10/2019
CHENGCHUNG YANG	09/10/2019
ZHIQIANG XU	09/10/2019
WEI QIN	09/10/2019
TIESHI WANG	09/10/2019
XIAOLONG LI	09/10/2019
SHENGNAN LI	09/10/2019
WANPENG TENG	09/10/2019
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:	16623609
CORRESPONDENCE DATA	
Fax Number:	(770)951-0933
<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:	7709339500
Email:	m.meegan@thip.law
Correspondent Name:	THOMAS HORSTEMEYER, LLP
Address Line 1:	3200 WINDY HILL ROAD SE
Address Line 2:	SUITE 1600E
Address Line 4:	ATLANTA, GEORGIA 30339
ATTORNEY DOCKET NUMBER:	100602-1020

PATENT

NAME OF SUBMITTER:	KENNETH A. KNOX
SIGNATURE:	/Kenneth A. Knox/
DATE SIGNED:	02/05/2021
Total Attachments: 18 source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page1.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page2.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page3.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page4.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page5.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page6.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page7.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page8.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page9.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page10.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page11.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page12.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page13.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page14.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page15.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page16.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page17.tif source=100602-1020 Executed Decs-Assign 4832-4531-1407 v.1#page18.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	LIGHT-EMISSION CONTROL SIGNAL GENERATING DEVICE AND DISPLAY DEVICE
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:

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"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/CN2019/082422 filed on May 24, 2019; which in turn claims priority to
CN201810553993.3 filed on May 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
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right to file foreign applications under the provisions of any convention or treaty and
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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: <u>Xuelina GAO</u>	Date: <u>Sep. 10, 2019</u>
Signature: <u>Xuelina GAO</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Kuanjun PENG</u>	Date: <u>Sep 10, 2019</u>
Signature: <u>Kuanjun PENG</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Chengchung YANG</u>	Date: <u>Sept 10, 2019</u>
Signature: <u>Chengchung YANG</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Zhiqiang XU</u>	Date: <u>Sep. 10, 2019</u>
Signature: <u>Zhiqiang Xu</u>	

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LEGAL NAME OF INVENTOR	
Inventor: <u>Wei QIN</u>	Date: <u>Sep. 10, 2017</u>
Signature: <u>Wei QIN</u>	

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Inventor: <u>Tieshi WANG</u>	Date: <u>Sep 10, 2019</u>
Signature: <u>Tieshi WANG</u>	

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"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/CN2019/088422 filed on May 24, 2019; which in turn claims priority to
CN201810553993.3 filed on May 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.

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 _____ 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>Xiaolong Li</u>	Date: <u>Sep. 10. 2019</u>
Signature: <u>Xiaolong Li</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	LIGHT-EMISSION CONTROL SIGNAL GENERATING DEVICE AND DISPLAY DEVICE
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 Jiaxiangqiao 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/CN2019/088422 filed on May 24, 2019; which in turn claims priority to
CN201810553993.3 filed on May 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.

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 _____ 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

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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>Shengnan Li</u>	Date: <u>Sep. 10, 2018</u>
Signature: <u>Shengnan Li</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	LIGHT-EMISSION CONTROL SIGNAL GENERATING DEVICE AND DISPLAY DEVICE
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.	

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countries in and to any and all inventions which are disclosed in the above-identified
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undersigned concurrently herewith, which claims priority to
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CN201810553993.3 filed on May 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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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: <u>Wanpeng TENG</u>	Date: <u>Sep 10, 2019</u>
Signature: <u>Wanpeng TENG</u>	