505802567 12/04/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5849396

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SANGWON LEE	08/12/2019
MINHO KO	09/17/2019
SANGHUN KANG	08/12/2019
WEN TAN	08/12/2019
YOUNG YIK KO	08/12/2019
WANLI DONG	08/12/2019

RECEIVING PARTY DATA

Name:	CHENGDU BOE OPTOELECTRONICS TECHNOLOGY CO., LTD.
Street Address:	NO. 1188 HEZUO RD., (WEST ZONE),
City:	CHENGDU
State/Country:	CHINA
Postal Code:	611731
Name:	BOE TECHNOLOGY GROUP CO., LTD.
Name: Street Address:	BOE TECHNOLOGY GROUP CO., LTD. NO. 10 JIUXIANQIAO RD., CHAOYANG DISTRICT
	, , , , , , , , , , , , , , , , , , ,
Street Address:	NO. 10 JIUXIANQIAO RD., CHAOYANG DISTRICT

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16619189

CORRESPONDENCE DATA

Fax Number: (516)228-8516

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: 516-228-8484

Email:jpalmet@dilworthbarrese.comCorrespondent Name:DILWORTH & BARRESE, LLPAddress Line 1:1000 WOODBURY ROAD

Address Line 2: SUITE 405

Address Line 4: WOODBURY, NEW YORK 11797

505802567 PATENT REEL: 051174 FRAME: 0612

ATTORNEY DOCKET NUMBER:	1734-560
NAME OF SUBMITTER:	MICHAEL J. MUSELLA
SIGNATURE:	/MJM/
DATE SIGNED:	12/04/2019
Total Attachments: 12	
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PATENT REEL: 051174 FRAME: 0613

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	
As a below	named inventor, I hereby declare that:
This decla	to:
The above-i	Cunited States application or PCT international application numberfiled on identified application was made or authorized to be made by me.
I believe thain the applic	at I am the original inventor or an original joint inventor of a claimed invention cation.
I hereby ack punishable years, or bo	cnowledge 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/CN2018/104361 filed on September 06, 2018; which in turn claims priority to CN 201710840124.4 filed on September 18, 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;

1

PATENT REEL: 051174 FRAME: 0614

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 tide 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: Sangwon LEE	Date: Aug . 12, 2019
Signature: Sangwon LEE	

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Title of Invention	
As a below	named inventor, I hereby declare that:
This decla	ration
is directed	to: The attached application, or
	United States application or PCT international application number
The above-i	dentified application was made or authorized to be made by me.
I believe tha in the applic	at I am the original inventor or an original joint inventor of a claimed invention ation.
	cnowledge 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.
haaaaaaaaa	

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 TECHNOLOGY GROUP CO., LTD. , having a place of business at No.10 Jiuxiangiao 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 aboveidentified application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, which claims priority to PCT/CN2018/104361 filed on Sep.06,2018; which in turn claims priority to CN201710840124.4 filed on Sep. 18,2017; 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;

Docket No. X1700637B7-C18W1919.01US

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 shalk consider desirable for vesting tide to such inventions in the Assignee, and for securing, maintaining and enforcing proper patent protection for such inventions;

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LEGAL NAME O	FINVENTOR	
Inventor:		0000 <u>Sep.17, 2019</u>
Signature:	Minho KO	

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	
	named inventor, I hereby declare that:
This declar	The attached application, or
	United States application or PCT international application numberfiled on, dentified application was made or authorized to be made by me.
I believe tha	t I am the original inventor or an original joint inventor of a claimed invention
in the applic I hereby ack punishable t years, or bo	mowledge 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)

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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;

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LEGAL NAME OF	INVENTOR	
Inventor:	Sanghun KANG	Date: Avg . 12. 2=19
Signature:	Sanglava KANA	7

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	
As a below named	inventor, I hereby declare that:
I believe that I am th	The attached application, or United States application or PCT international application number filed on application was made or authorized to be made by me. e original inventor or an original joint inventor of a claimed invention
in the application. I hereby acknowledg punishable under 18 years, or both.	that any willful false statement made in this declaration is 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:

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LEGAL NAME OF INVENTOR	
Inventor: Wen TAN	A
Signature: Wen TAN	Date: Aug. 12, 2019
Orghanse. VVA MIV	·····

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Title of Invention	
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is directed	United States application or PCT international application number filed on
The above-i	dentified application was made or authorized to be made by me.
l believe that in the applic	at I am the original inventor or an original joint inventor of a claimed invention ration.
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LEGAL NAME C	PE INVENTOR	,
Inventor:	Young Yik KO	Date: Aug. 12. 2019
Signature:	Young Yik KO	
1		

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

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Title of Invention	
As a below	named inventor, I hereby declare that:
This decla	ration
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.
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Lisacous Contraction Contracti	

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LEGAL NAME OF INVENTOR	
Inventor: Wanli DONG	Date:AV9 . 12 , 2019
Signature: Wanli DONG	

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PATENT REEL: 051174 FRAME: 0625