PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT6039793

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAN ZHU	02/24/2020
PABLO NAVARRETE MICHELINI	02/24/2020
LIJIE ZHANG	02/24/2020
HANWEN LIU	02/24/2020

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16835809

CORRESPONDENCE DATA

Fax Number: (216)241-0816

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: 216-622-8674

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

KENNETH J. SMITH **Correspondent Name:**

Address Line 1: CALFEE, HALTER & GRISWOLD LLP

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

CLEVELAND, OHIO 44114-1607 Address Line 4:

Tatal Attackments O	
DATE SIGNED:	03/31/2020
SIGNATURE:	/ken smith/
NAME OF SUBMITTER:	KENNETH J. SMITH
ATTORNEY DOCKET NUMBER:	31411/04799

Total Attachments: 8

PATENT REEL: 052272 FRAME: 0781

505993083

source=2020-03-31_-_31411-04799_-_executed_Oath_and_Assignment_as_filed_-_fpph19130171us#page1.tif source=2020-03-31_-_31411-04799_-_executed_Oath_and_Assignment_as_filed_-_fpph19130171us#page2.tif source=2020-03-31_-_31411-04799_-_executed_Oath_and_Assignment_as_filed_-_fpph19130171us#page3.tif source=2020-03-31_-_31411-04799_-_executed_Oath_and_Assignment_as_filed_-_fpph19130171us#page4.tif source=2020-03-31_-_31411-04799_-_executed_Oath_and_Assignment_as_filed_-_fpph19130171us#page5.tif source=2020-03-31_-_31411-04799_-_executed_Oath_and_Assignment_as_filed_-_fpph19130171us#page6.tif source=2020-03-31_-_31411-04799_-_executed_Oath_and_Assignment_as_filed_-_fpph19130171us#page7.tif source=2020-03-31_-_31411-04799_-_executed_Oath_and_Assignment_as_filed_-_fpph19130171us#page7.tif source=2020-03-31_-_31411-04799_-_executed_Oath_and_Assignment_as_filed_-_fpph19130171us#page8.tif

Title of Invention	Two-dimensional code image generation method and apparatus, storage medium and electronic device
As a below	named inventor, I hereby declare that:
This decla	ration
is directed	to:
	United States application or PCT international application numberfiled on
The above-i	dentified 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 ation.
	cknowledge 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 Jiuxiangiao 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 PCT/CN2019/110093 filed on Oct.09,2019; which in turn claims priority to CN201811210042.2 filed on Oct.17,2018; 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;

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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;

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.

Li	EGAL NAME OF INVENTOR	************
in the	ventor: Den ZHU Dete: Feb. 24 , 2020	and and
S	ignature: Dan ZHU	awww.

Title of Invention	· Two-dimensional code image generation method and apparatus, storage medium and electronic device		
As a below	As a below named inventor, I hereby declare that:		
This declaration			
is directed	to:		
	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.		
	cknowledge 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 Jiuxiangiao 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 PCT/CN2019/110093 filed on Oct.09,2019; which in turn claims priority to CN201811210042.2 filed on Oct.17,2018; 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;

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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;

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>CALFEE</u>, <u>HALTER & GRISWOLD 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.

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LEGAL NAME OF INVENTOR	
Inventor: Pablo NAVARRETE MICHELINI Date: Fab. 24, 2020	**************************************
Signature: Pablo WAVARRETE KICHELINI	

2

Title of Invention	Two-dimensional code image generation method and apparatus, storage medium and electronic device
As a below	named inventor, I hereby declare that:
This decla	The attached application or
is directed	United States application or PCT international application numberfiled on
	dentified application was made or authorized to be made by me. at I am the original inventor or an original joint inventor of a claimed invention action.
	cknowledge 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:

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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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;

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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.

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LEGAL NAME OF INVENTOR	
Inventor: Lijie ZHANG Date: 7-eb. 24, 2010	
Signature: Lijje ZHANG	

2

-	
	Two-dimensional code image generation method and apparatus,
Title of Invention	storage medium and electronic device
As a below	named inventor, I hereby declare that:
This decla	ration
is directed	to:
	United States application or PCT international application number
The above-i	dentified 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 ation.
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CALFEE, HALTER & GRISWOLD LLP

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LEGAL NAME OF INVENTOR	
Inventor: Hanwen LIU	Date Feb. 24, Zoro
Signature Honnen LZU	

2