PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3740933

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| HONGFEI CHENG | 01/15/2016 |
| JIANBO XIAN | 01/15/2016 |
| WENBO LI | 01/15/2016 |

RECEIVING PARTY DATA

| Name: | BOE TECHNOLOGY GROUP CO., LTD. |
|-----------------|--|
| Street Address: | NO.10 JIUXIANQIAO RD., CHAOYANG DISTRICT |
| City: | BEIJING |
| State/Country: | CHINA |
| Postal Code: | 100015 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14912224 |

CORRESPONDENCE DATA

Fax Number: (703)683-8396

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: 703-548-6284

Email: lcurrence@nathlaw.com

NATH, GOLDBERG & MEYER JOSHUA GOLDBERG **Correspondent Name:**

112 SOUTH WEST STREET Address Line 1:

Address Line 2: 34286U JBG LC

Address Line 4: ALEXANDRIA, VIRGINIA 22314

| ATTORNEY DOCKET NUMBER: | 34286U |
|-------------------------|--|
| NAME OF SUBMITTER: | JOSHUA B. GOLDBERG |
| SIGNATURE: | /Joshua B. Goldberg/ |
| DATE SIGNED: | 02/16/2016 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |

Total Attachments: 6

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PATENT REEL: 037743 FRAME: 0618 503694295

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PATENT REEL: 037743 FRAME: 0619

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 | ration |
| is directed | to: |
| The above- | United States application or PCT international application number PCT/CN2015/089834 filed on September 17, 2015 identified application was made or authorized to be made by me. |
| t believe thain 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. |
| FOR (| GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and |

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 <u>BOE TECHNOLOGY GROUP CO., LTD</u> |
|--|
| having a place of business at No. 10 Jiuxiangiao Rd., Chaoyang District, Beijing |
| 100015. China and having a place of business at |
| (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 CN 201510106509.9 filed on March 11, 2015; which in turn claims |
| priority to filed on; 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;

ž

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 NATH, GOLDBERG & MEYER, Customer No. 20529 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 | T_ 15 2016 |
|--------------------------|---------------------|
| Inventor: Hongfei CHENG | Date: Jan. 13, 2010 |
| signature. Hongfei Cheng | |
| <u> </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 |
|---|
| As a below named inventor, I hereby declare that: |
| This declaration |
| is directed to: |
| United States application or PCT international application number PCT/CN2015/089834_filed on September 17, 2015 The above-identified application was made or authorized to be made by me. |
| believe that I am the original inventor or an original joint inventor of a claimed invention the application. |
| hereby acknowledge that any willful false statement made in this declaration is unishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) ears, 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 Jiuxiangiao Rd., Chaoyang District, Beijing |
| 1(00)15, China and having a place of business at |
| (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 CN 201510106509.9 filed on March 11, 2015; which in turn claims |
| priority to filed on; 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

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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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 | ۵. |
|---------------------------|-------------------|
| Inventor: Jianbo XIAN | cone Jan 15, will |
| Signature: Transacko XTAN | |

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 | v named ir | oventor, I hereby declare that: | |
| This decla | | The attached application, or | |
| The above- | identified : | United States application or PCT international application number PCT/CN2015/089834 filed on September 17, 2015 application was made or authorized to be made by me. | S. S |
| believe that in the applic | | original inventor or an original joint inventor of a claimed invent | ion |
| | under 18 | e that any willful false statement made in this declaration is U.S.C. 1001 by fine or imprisonment of not more than five (5) | |
| adequacy o | of which a | ND VALUABLE CONSIDERATION, the receipt, sufficiency are hereby acknowledged, each undersigned inventor (hereing NOR"), do hereby: | |
| having a p | lace of but the china and the china can be considered as the can be considered as the can be considered as the can be consid | AND TRANSFER to <u>BOE TECHNOLOGY GROUP CO., L.1</u> usiness at <u>No. 10 Juxiangiao Rd., Chaoyang District, Be</u> dhaving a place of business(each hereinafter referred to as "ASSIGNEE"), the entire r | ijing at |
| title and in inventions Letters Pate | derest for which are ent, which | the United States and all foreign countries in and to any and a disclosed in the above-identified application for United Shas been executed by the undersigned concurrently herewith, www. 201510106509.9 filed on March 11, 2015; which in turn class | d all tates hich |
| priority to continuing, been or sh | substitute | filed on; such applications and all divisions, renewal, reissue and all other applications for patent which is in the United States and all foreign countries on any of all and reissued patents which have been or shall be issued in | onal, have such |
| right to file | e foreign | foreign countries on such inventions; and specifically including applications under the provisions of any convention or treaty 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;

3

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 | 6 |
|----------------------------|--------------------|
| Inventor: Wenba LI | Date: Jan 15, 2016 |
| Signature: Week LOV | |