507671494 12/29/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7718633

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| LIPING LEI | 07/28/2021 |
| CHANGCHENG LIU | 07/28/2021 |
| WENCHU DONG | 07/28/2021 |
| LIRONG XU | 07/28/2021 |
| HONGLEI ZHANG | 07/28/2021 |

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: | 17452947 |

CORRESPONDENCE DATA

Fax Number: (404)888-7490

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: 404-872-7000

Email: IPDocketing@wbd-us.com, nedy.calderon@wbd-us.com

Correspondent Name: WOMBLE BOND DICKINSON (US) LLP ATTN: IP

Address Line 1: P.O. BOX 570489

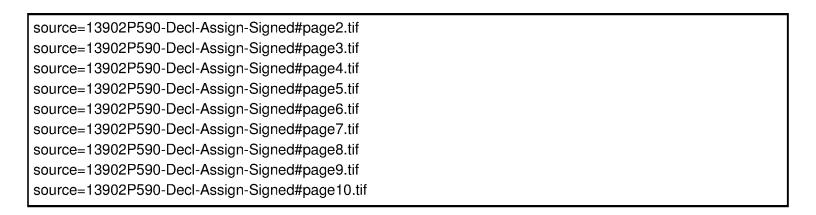
Address Line 4: ATLANTA, GEORGIA 30357-0037

| ATTORNEY DOCKET NUMBER: | 13902.P590 |
|-------------------------|--------------|
| NAME OF SUBMITTER: | ERIC HYMAN |
| SIGNATURE: | /eric hyman/ |
| DATE SIGNED: | 12/29/2022 |

Total Attachments: 10

source=13902P590-Decl-Assign-Signed#page1.tif

PATENT REEL: 062239 FRAME: 0438



| ************** | *************************************** |
|-----------------------|--|
| Title of Invention | SCREENSHOT METHOD AND APPARATUS FOR INFORMATION INTERACTION INTERFACE, COMPUTING DEVICE AND STORAGE MEDIUM |
| As a below | named inventor, I hereby declare that: |
| This decla | ation |
| is directed | to: F The attached application, or |
| The ahnve-i | United States application or PCT international application number filed on dentified application was made or authorized to be made by me. |
| | it I am the original inventor or an original joint inventor of a claimed invention |
| in the applic | |
| | 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 to CN202110215577.4 |
| filed on Feb.26,2021; 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

ł

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.

WOMBLE BOND DICKINSON (US) 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.

| LEGAL NAME OF INVENTOR | | | |
|-----------------------------|------|---------------------------------------|--|
| Inventor: <u>Liping LEi</u> | Date | Jul. 28, 2021 | |
| Signature: Liping LEI | | · · · · · · · · · · · · · · · · · · · | |

| ************************************** | |
|--|---|
| Title of | SCREENSHOT METHOD AND APPARATUS FOR INFORMATION |
| Invention | INTERACTION INTERFACE, COMPUTING DEVICE AND STORAGE MEDIUM |
| 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. |
| believe that in the applic | it I am the original inventor or an original joint inventor of a claimed invention ation. |
| hereby a punishable years, or bo | 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) 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 atNo.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 to CN202110215577.4 |
| filed on Feb. 26.2021; 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

Š

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.

WOMBLE BOND DICKINSON (US) 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.

| LEGAL NAME OF INVENTOR | |
|---------------------------------|---------------------|
| Inventor: <u>Changcheng LIU</u> | Date: Jul. 28, 202) |
| Signature: Chang Cheng LIV | * |
| | |

| Title of Invention | SCREENSHOT METHOD AND APPARATUS FOR INFORMATION INTERACTION INTERFACE, COMPUTING DEVICE AND STORAGE MEDIUM |
|--------------------------------|---|
| As a below | v named inventor, I hereby declare that: |
| This decla | ration |
| is directed | to: ☑ The attached application, or |
| The above- | United States application or PCT international application numberfiled onfiled application 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. |
| I hereby a punishable or both. | 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) years, |

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, ASS | IGN AND TRANSFER | to BOE TECHNOLOGY GROUP O | O. LTD. |
|---------------------|----------------------------|---|-------------|
| having a place of | business at No.10 Jinx | iangiao Rd., Chaoyang District, Beijing | g 100015. |
| | | NEE"), the entire right, title and inter | |
| United States and | all foreign countries in | and to any and all inventions which are | disclosed |
| in the above-ide | ntified application for | United States Letters Patent, which | has been |
| executed by the | e undersigned concur | rently herewith, which claims pric | ority to |
| | | | |
| to | filed on | which in turn clain such applications and all c | livisional, |
| continuing, subst | itute, renewal, reissue a | and all other applications for patent wi | hich have |
| been or shall be fi | led in the United States a | and all foreign countries on any of such i | nventions |
| | | ave been or shall be issued in the Uni | |
| and all foreign co | ountries on such invent | ions; and specifically including the rig | ght to file |
| | | s of any convention or treaty and clair | |
| | olication in the United S | | |
| * 4 | | • | |

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

Docket No. X2023993JZ

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.

WOMBLE BOND DICKINSON (US) 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.

| LEGAL NAME | OF INVENTOR | | | |
|------------|-------------|-------|--------------|--|
| Inventor: | Wenchu DONG | Date: | Jul. 28.2021 | |
| Signature: | Wenchu Do | N61 | | |

| ***** | MANANAMAN M |
|--|--|
| Title of Invention | SCREENSHOT METHOD AND APPARATUS FOR INFORMATION INTERACTION INTERFACE, COMPUTING DEVICE AND STORAGE MEDIUM |
| As a below | named inventor, I hereby declare that: |
| This decla | ration |
| is directed | to: F The attached application, or |
| | United States application or PCT international application numberfiled on |
| The above- | dentified application was made or authorized to be made by me. |
| believe the in the applic | at I am the original inventor or an original joint inventor of a claimed invention ation. |
| hereby a punishable years, or bo | 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 atNo.10 Jiuxianqiao 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 CN202110215577.4 |
| filed on Feb.26,2021; 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

Ì

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.

WOMBLE BOND DICKINSON (US) 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.

| LEGAL NAME OF INVENTOR | |
|------------------------|---------------------|
| Invenior: Limng XU | Date Jul X , 2021 . |
| Signature Lirong XU | |

| Title of | SCREENSHOT METHOD AND APPARATUS FOR INFORMATION |
|--------------|--|
| Invention | INTERACTION INTERFACE, COMPUTING DEVICE AND STORAGE MEDIUM |
| As a below | named inventor, I hereby declare that: |
| This decla | ration |
| is directed | to: F The attached application, or |
| | United States application or PCT international application numberfiled on |
| The above-i | dentified application was made or authorized to be made by me. |
| believe than | 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 to CN202110215577.4 filed on Feb.26,2021; 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

Ì

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.

WOMBLE BOND DICKINSON (US) 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.

| LEGAL NAME OF INVENTOR | |
|---|--|
| Inventor: Honglei ZHANG Date: Tu(.28.2021 | |
| Signature: Honglei ZHANG | |

2