506680951 05/25/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6727769

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------|----------------|
| XIANGYE WEI | 04/06/2021 |
| LIMING XIU | 04/06/2021 |

RECEIVING PARTY DATA

| Name: | BEIJING BOE TECHNOLOGY DEVELOPMENT CO., LTD. | |
|--------------------------|---|--|
| Street Address: | ROOM 407, BUILDING 1, NO. 9 DIZE ROAD, BDA | |
| City: | BEIJING | |
| State/Country: | CHINA | |
| Postal Code: | 100176 | |
| | | |
| 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: | 17296672 |

CORRESPONDENCE DATA

Fax Number: (571)395-8573

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.

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Email: patentmail@whda.com

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| ATTORNEY DOCKET NUMBER: | P210303US00 |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | YOLIDIA A. PASOS |
| SIGNATURE: | /YOLIDIA A. PASOS/ |
| DATE SIGNED: | 05/25/2021 |

PATENT 506680951 REEL: 056342 FRAME: 0530

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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PATENT REEL: 056342 FRAME: 0531

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 | SIGNAL GENERATION CIRCUIT AND METHOD, AND DIGIT-TO-TIME CONVERSIGNAL GENERATION CIRCUIT AND METHOD | | | |
| As a below | named inventor, I hereby declare that: | | | |
| This decla | ration | | | |
| is directed | to: The attached application, or | | | |
| The above-i | United States application or PCT international application number PCT/CN2020/108963 filed on August 13, 2020 dentified application was made or authorized to be made by me. | | | |
| l believe tha in the applic | it I am the original inventor or an original joint inventor of a claimed invention ation. | | | |
| l hereby ack punishable i vears, or bo | nowledge 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 Beijing BOE Technology Development Co., Ltd. having a place of business at Room 407, Building 1,No.9 Dize Road,BDA,Beijing,100176,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 201910813647.9 filed on Aug 30,2019; 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 _____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 | A |
|------------------------|-----------------------|
| Inventor: Xiangye WEI | Date: /1)74. 06, 2021 |
| Signature | langge WEI |

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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 | SIGNAL GENERATION CIRCUIT AND METHOD, AND DIGIT-TO-TIME CONVERSION CIRCUIT AND METHOD | | | |
|--------------------------------|--|--|--|--|
| Asa 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 PCT/CN2020/108963 filed on August 13, 2020. | | | |
| The above- | dentified application was made or authorized tobe made by me. | | | |
| I believe tha in the applic | atl am the original inventor or an original joint inventor ofa claimed invention ation. | | | |
| | cknowledge thatany willful false statement made in this declaration is under 18 U.S.C.1001 by fine or imprisonment ofnot 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, ASSIGN AND TRANSFER to BEIJING BOE TECHNOLOGY DEVELOPMENT CO., LTD., having a place of business at Room 407, Building 1, No. 9 Dize Road, BDA, Beijing 100176, P.R. China and 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 201910813647.9 filed on August 30, 2019; 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 andreissued 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 Statesand foreign patents granted on such inventions to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or otheragreement affecting the rights and property herein conveyed has been or will be

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PATENT REEL: 056342 FRAME: 0534 made to othersby the undersigned, and that the full right to convey the same as herein expressed is possessed bythe undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in goodfaith 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 otherpapers; 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 Assigneeshall 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 undersignedand 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 berewith.

ASSIGNOR HEREBY GRANTS to the agents and attorneys of <u>BOE</u> <u>TECHNOLOGY GROUP CO., LTD</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.

The assignment of said invention is effective as of the earlier of (1) the date of executionshown 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 OFIN | VENTOR | | | | |
|----------------------|--------|-----|-------|----------|-------|
| Inventor: Liming XIL | l . | | Date: | 13pr. 26 | , 202 |
| Signature; | Limby | XIU | | | |

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