PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3499127

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| HYE MAN JUNG | 07/02/2015 |
| SANG WOOK HAN | 07/02/2015 |

RECEIVING PARTY DATA

| Name: | SEOUL SEMICONDUCTOR CO., LTD. |
|-------------------|-------------------------------------|
| Street Address: | 1B-25, 97-11, SANDAN-RO 163BEON-GIL |
| Internal Address: | DANWON-GU, GYEONGGI-DO |
| City: | ANSAN-SI |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 425-851 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14753612 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | P6544US00 | |
|-------------------------|--|--|
| NAME OF SUBMITTER: | HAE-CHAN PARK | |
| SIGNATURE: | /hae-chan park/ | |
| DATE SIGNED: | 08/26/2015 | |
| | This document serves as an Oath/Declaration (37 CFR 1.63). | |

Total Attachments: 6

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PATENT 503452502 REEL: 036422 FRAME: 0656

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PATENT REEL: 036422 FRAME: 0657

ASSIGNMENT SERVING AS DECLARATION PER 37 C.F.R. § 1.63(e)

As a below named inventor and Assignor, I declare that:

This assignment and declaration are directed to:

| \boxtimes | United States ap | plication no. <u>14/</u> | 753,612 filed or | n Ju <u>ne</u> | <u>29, 2015,</u> | which is |
|----------------------------------|----------------------|--------------------------|------------------------|----------------|------------------|----------|
| a Continuation priority from: | of <u>PCT/KR2013</u> | <u>/012248,</u> filed on | December 27, | <u>2013,</u> | and which | claims |
| Korean Patent | Application No. | 10-2012-015722 | 3, filed <u>Decemb</u> | er 28, | <u>2012,</u> and | İ |
| Korean Patent | Application No. | <u> 10-2012-015722</u> | 4, filed <u>Decemb</u> | er 28, | <u>2012</u> . | |
| | As amended on | | | | (if appli | cable); |
| The above-ide | ntified Application | n was made or a | uthorized to be | made | by me. | |

I believe that I am the original inventor or an original joint inventor of a claimed invention in the Application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in the Application,

Whereas, Assignor desires to convey all rights, titles, and interests in and to the same to:

> Seoul Semiconductor Co., Ltd. 1B-25, 97-11, Sandan-ro 163beon-gil Danwon-gu, Gyeonggi-do Ansan-si, 425-851 Republic of Korea

Seoul Semiconductor Co., Ltd. herein further referred to as ("Assignee").

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the Invention disclosed in said application and in and to any Letters Patent of the United States (US), any continuation, division, renewal, or substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or Inventor's certificates and related rights heretofore or hereafter filed for the Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals thereof.

Docket No. P6544US00

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor further covenants that Assignee will, upon Assignee's request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the US or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent which may be granted for the invention and perform such further acts which may be necessary or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense.

IN WITNESS WHEREOF, Inventor and Assignor has hereunto set hand and seal.

| First Inventor's and Assignor's Name: | Hye Man JUNG |
|---|---|
| Address: | 1B-25, 97-11, Sandan-ro 163beon-gil Danwon-gu, Gyeonggi-do Ansan-si, 425-851 Republic of Korea |
| First Inventor's and Assignor's Signature: | Ant 2 |
| Date: | 20 K, 01,02 |
| | |
| Second Inventor's and Assignor's Name: | Hyun Gu KANG |
| Address: | 1B-25, 97-11, Sandan-ro 163beon-gil Danwon-gu, Gyeonggi-do Ansan-si, 425-851 Republic of Korea |
| Second Inventor's and Assignor's Signature: | |
| Date: | |
| | |



Docket No. <u>P6544US00</u>

| Third Inventor's and Assignor's Name: | Sang Wook HAN | | | |
|--|---|--|--|--|
| Address: | 1B-25, 97-11, Sandan-ro 163beon-gil Danwon-gu, Gyeonggi-do Ansan-si, 425-851 Republic of Korea | | | |
| Third Inventor's and Assignor's Signature: | 社な者 | | | |
| Date: | 2015.07.02 | | | |

Doc code: Oath

Document Description: Oath or declaration filed

PTO/AIA/02 (07-13)

Approved for use through 01/31/2014. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)

| Title of Invention | LED DRIVING CIRCUIT FOR CONTINUOUSLY DRIVING LED, LED LIGHTING DEVICE COMPRISING SAME AND DRIVING METHOD | | | | |
|---|---|--------------------------|---------|----------------|---------------|
| This stateme | This statement is directed to: | | | | |
| The atta | The attached application, | | | | |
| OR | | | | | |
| United S | States application or PCT international | application number | 753, | 612 filed on _ | June 29, 2015 |
| LEGAL NA | ME of inventor to whom this su | ostitute statement appli | ies: | | |
| (E.g., Given | Name (first and middle (if any)) and F | amily Name or Surname) | | | |
| Hyun G | u KANG | | | | |
| Residence (e | except for a deceased or legally incapa | acitated inventor): | 7 | | |
| _{city} Ans | an-si | State | Country | Republic | of Korea |
| | ss (except for a deceased or legally incapa | • | | | |
| 1B-25, 9 | 7-11, Sandan-ro 163beon-gil | , Danwon-gu, Gyeon | ıggi-do | | |
| _{City} Ans | an-si | State | Zip | | Country KR |
| I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application. | | | | | |
| The above-io | dentified application was made or auth | orized to be made by me. | | · | |
| I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. | | | | | |
| Relationship to the inventor to whom this substitute statement applies: | | | | | |
| Legal Representative (for deceased or legally incapacitated inventor only), | | | | | |
| Assignee, | | | | | |
| Person to whom the inventor is under an obligation to assign, | | | | | |
| Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or | | | | | |
| Jo | int Inventor. | | | | |

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.54. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1460, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1460.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/AIA02 (07-13)

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SUBSTITUTE STATEMENT

| Circumstances permitting execution of this su | ibstitute statement: | | | | | |
|---|---|---|---|--|--|--|
| Inventor is deceased, | | | | | | |
| Inventor is under legal incapacity, | | - | | | | |
| Inventor cannot be found or reached after diligent effort, or | | | | | | |
| Inventor has refused to execute the | oath or declaration under 37 CF | R 1.63. | | | | |
| If there are joint inventors, please check the | appropriate box below: | | | | | |
| An application data sheet under 37 or is currently submitted. | An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been | | | | | |
| OR An application data sheet under 37 Statement Supplemental Sheet (PT information is attached. See 37 CFF | O/AIA/11 or equivalent) naming l | | | | | |
| | WARNING: | | | | | |
| Petitioner/applicant is cautioned to avoid subm contribute to identify theft. Personal informatio (other than a check or credit card authorization to support a petition or an application. If this ty petitioners/applicants should consider reducting USPTO. Petitioner/applicant is advised that the application (unless a non-publication request in patent. Furthermore, the record from an abance ferenced in a published application or an issup PTO-2038 submitted for payment purposes are | in such as social security number form PTO-2038 submitted for pape of personal information is inclig such personal information from e record of a patent application is a compliance with 37 CFR 1.213 foned application may also be avised patent (see 37 CFR 1.14). | rs, bank account num ayment purposes) is r uded in documents so the documents befor s available to the pub a) is made in the app vailable to the public i checks and credit care | bers, or credit card numbers never required by the USPTO ubmitted to the USPTO, re submitting them to the lic after publication of the lication) or issuance of a f the application forms | | | |
| PERSON EXECUTING THIS SUBSTITUTE ST | ATEMENT: | | | | | |
| Name: Non angol | QC3 | · | Date (Optional): | | | |
| Signature: Won Med (s | Ž.,-, | | | | | |
| APPLICANT NAME AND TITLE OF PERSÓN | | | | | | |
| If the applicant is a juristic entity, list the applica | | er: | | | | |
| Seoul Semiconductor Applicant Name: | Co., Ltd. | | | | | |
| Title of Person Executing This Substitute Statement: Manager of IF | ^o Department | | | | | |
| The signer, whose title is supplied above, is au Residence of the signer (unless provided in | ithorized to act on behalf of the a | | ont): | | | |
| residence of the signer (unless provided in | | ······································ | | | | |
| _{city} Ansan-si | State | _{Country} Reput | olic of Korea | | | |
| Mailing Address of the signer (unless prov | | | | | | |
| 1B-25, 97-11, Sandan-ro 163beon- | -gil, Danwon-gu | | | | | |
| Gyeonggi-do | | | | | | |
| _{city} Ansan-si | State | _{Zip} 425-851 | Republic of Korea | | | |
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[Page 2 of 2]

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
- A record from this system of records may be disclosed, as a routine use, in the course of
 presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to
 opposing counsel in the course of settlement negotiations.
- A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
- A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PATENT REEL: 036422 FRAME: 0663

RECORDED: 08/26/2015