12/12/2018 505233160

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5279930

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| DO YEOL AHN | 12/11/2018 |
| SEUNG HYUN YANG | 12/12/2018 |

RECEIVING PARTY DATA

| Name: | PETALUX INC. |
|-----------------|--|
| Street Address: | 3F, 12, YANGHYEON-RO 405BEON-GIL, JUNGWON-GU |
| City: | SEONGNAM-SI, GYEONGGI-DO |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 13438 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16309321 |

CORRESPONDENCE DATA

Fax Number: (202)659-8822

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: 2022630809 Email: info@kilepark.com

Correspondent Name: KILE PARK REED & HOUTTEMAN PLLC JAE Y. P

Address Line 1: 1101 30TH STREET, NW

Address Line 2: SUITE 500

Address Line 4: WASHINGTON, D.C. 20007

| ATTORNEY DOCKET NUMBER: | CMP-0128-SE |
|-------------------------|--|
| NAME OF SUBMITTER: | JAE Y. PARK |
| SIGNATURE: | /Jae Y. Park/ |
| DATE SIGNED: | 12/12/2018 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |

Total Attachments: 3

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> **PATENT REEL: 047757 FRAME: 0340** 505233160

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 | SEMICONDUCTOR LIGHT EMITTING DEVICE AND MANUFACTURING METHOD | |
|---|---|--|--|
| - | As the below named inventor, I hereby declare that: | | |
| - | This declaration is dire | ected to: | |
| | ☐ The attache | ed application, | |
| ******** | United Stat | es application number filed on, or | |
| - | PCT interna | ational application number PCT/KR2017/006052 filed on June 12, 2017. | |
| | The above-identified a | pplication was made or authorized 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 have reviewed and understand the contents of the above-identified application, including the claims. I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR 1.56. | | |
| ******** | I hereby acknowledge under 18 U.S.C. 1001 | that any willful false statement made in this declaration is punishable by fine or imprisonment of not more than five (5) years, or both. | |
| *************************************** | si, Gyeonggi-do 1343 (hereinafter referred to in and to said invention | IX INC. of 3F, 12, Yanghyeon-ro 40Sbeon-gil, Jungwon-gu, Seongnam- 8 Republic of Korea, its heirs, successors, legal representatives and assigns as "ASSIGNEE") is desirous of acquiring the entire right, title and interest m and in and to any Letters Patent(s) that may be granted therefore in the ica and in any foreign countries. | |
| | consideration paid to the assigned and transferred full and exclusive right dependencies and possible Patent(s) which may | to all whom it may concern, be it known that, for good and valuable ne undersigned, the receipt of which is hereby acknowledged, I have sold, d, and by these presents does sell, assign and transfer unto the Assignee the at to the said invention in the United States of America, its territories, essions and the entire right, title and interest in and to any and all Letters be granted therefore in the United States of America, its territories, ssions, and in any and all foreign countries; | |
| and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted. | | | |
| | | | |

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United States Patent and Trademark Office

I agree to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I agree to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

I agree to execute all papers and documents and to perform any act which may be necessary in connection with claims and provisions of the International Convention for the Protection of Industrial Property or similar agreements.

I agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by me if this Assignment and sale had not been made.

I hereby authorize and request the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, and hereby covenant that I have the full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I declare that all statements made in the above assignment of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C.1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

| LEGAL NAME OF INVENTOR | |
|----------------------------|--------------------------------|
| Inventor: Do Yeol AHN name | Citizenship: Republic of Korea |
| Date: December 11, 2018 | Signature: Dayh M~ |

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PATENT

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| LEGAL NAME OF INVENTOR | |
|----------------------------|--|
| Inventor: Seung Hyun YANG | Citizenship: Republic of Korea country |
| Date: <u>Dec.</u> 12, 2018 | Signature: |

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RECORDED: 12/12/2018