

PATENT ASSIGNMENT

Electronic Version v1.1
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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| in hwan RYU | 03/16/2012 |
| hak pyo LEE | 03/16/2012 |
| il chan Yang | 03/17/2012 |
| Sung Kyu CHOI | 03/17/2012 |
| Byeong Seung LEE | 03/17/2012 |

RECEIVING PARTY DATA

| | |
|------------------------|----------------------------------|
| Name: | LG CNS CO., LTD. |
| Street Address: | 10-1 Hoehyeon-dong 2-ga, Jung-gu |
| City: | Seoul |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 100-052 |

| | |
|------------------------|-------------------------------|
| Name: | Robostar Co., Ltd. |
| Street Address: | 119-38, Sasa-dong, Sangnok-gu |
| City: | Ansan-si |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 426-220 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|----------------------------|----------|
| Application Number: | 13415978 |

CORRESPONDENCE DATA

Fax Number: (518)456-7004
 Phone: 518 456-7084
 Email: kjones@kdiplaw.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

OP \$40.00 13415978

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PATENT
REEL: 028286 FRAME: 0639

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|---------------------|-----------------------------|
| Correspondent Name: | Keohane & D'Alessandro PLLC |
| Address Line 1: | 1881 Western Avenue |
| Address Line 2: | Suite 180 |
| Address Line 4: | Albany, NEW YORK 12203 |

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|-------------------------|----------------|
| ATTORNEY DOCKET NUMBER: | FPE-11-1400-US |
|-------------------------|----------------|

| | |
|--------------------|------------------------|
| NAME OF SUBMITTER: | Ronald A. D'Alessandro |
|--------------------|------------------------|

Total Attachments: 3
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PATENT ASSIGNMENT FORM

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor acknowledges his/her prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, and further acknowledges that he/she has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

LG CNS CO., LTD.
10-1 Hoehyeon-dong 2-ga, Jung-gu
Seoul, 100-052, Republic of Korea

Robostar Co., Ltd.
119-38, Sasa-dong, Sangnok-gu
Ansan-si, 426-220 Gyeonggi-do, Republic of Korea

corporations having an office in the Republic of Korea, and the co-assignees desire to acquire all right, title, and interest, in and to the certain inventions (identified below), applications, and any United States and foreign patents to be obtained therefore relating to:

APPARATUS AND METHOD FOR SUPPLYING LIGHT-EMITTING DIODE (LED) WAFER

a United States Patent as set forth in United States Patent Application executed by each undersigned inventor on the date indicated by each inventor signature below, and further identified by **Attorney Docket Number LGCNSPT-0005**; executed concurrently herewith

for and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States and foreign patents and all rights of priority to be obtained therefore which may issue on any such application or for said invention therein disclosed, including any and all reissues or extensions thereof, to be held and enjoyed by the co-assignees, their successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each undersigned inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to the co-assignees, their successors and assigns, in accordance herewith;

Each undersigned inventor warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests hereby sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each undersigned inventor further covenants and agrees that he/she, upon the request and at the expense of the co-assignees, will execute and deliver any papers, make all rightful oaths, testify in any legal proceeding relating to said inventions and improvements, communicate to the co-assignees to perform all other lawful acts deemed necessary or desirable by the co-assignees and their legal representatives, to secure, maintain, and enforce patent protection for such inventions and improvements and for vesting title to such inventions and improvements in the co-assignees, and in particular to perfect title to said above-identified certain inventions, and applications including divisions and continuations thereof, and any and all Letters Patent which may be granted therefore or thereon, including reissues, extensions, or counterparts;

Each undersigned inventor hereby grants the co-assignees and the firm the power to insert in this Assignment any further identification which may be necessary or desirable for recordation of this Assignment.

This assignment is governed by the substantive laws of the state of New York.

Executed by Inventor 1 of 5

Signature: RYU, Th hwan Date: 316 (2012)
RYU, in hwan

Executed by Inventor 2 of 5

Signature: LEE, hak pyo Date: 316 (2012)
LEE, hak pyo

Executed by Inventor 3 of 5

Signature: YANG, Il chan Date: 317 (2012)
Yang, il chan

Executed by Inventor 4 of 5

Signature: CHOI, Sung Kyn Date: 317/2012
CHOI, Sung Kyu

PATENT
DOCKET NO.: FPE-11-1400-US

Executed by Inventor 5 of 5

Signature: LEE, Byeong Seung Date: 3/11/2012
LEE, Byeong Seung