

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Chang-Ju SHIN</td> <td>03/03/2011</td> </tr> <tr> <td>Tae-Hyung KIM</td> <td>03/03/2011</td> </tr> <tr> <td>Kyoung-Soo KIM</td> <td>03/03/2011</td> </tr> <tr> <td>Jung-Sub LEE</td> <td>03/03/2011</td> </tr> </tbody> </table>		Name	Execution Date	Chang-Ju SHIN	03/03/2011	Tae-Hyung KIM	03/03/2011	Kyoung-Soo KIM	03/03/2011	Jung-Sub LEE	03/03/2011
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<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>DOOSAN CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>Doosan Tower 18F, 18-12, Ulchi-ro 6ka, Chung-gu,</td> </tr> <tr> <td>City:</td> <td>Seoul</td> </tr> <tr> <td>State/Country:</td> <td>REPUBLIC OF KOREA</td> </tr> <tr> <td>Postal Code:</td> <td>100-730</td> </tr> </table>		Name:	DOOSAN CORPORATION	Street Address:	Doosan Tower 18F, 18-12, Ulchi-ro 6ka, Chung-gu,	City:	Seoul	State/Country:	REPUBLIC OF KOREA	Postal Code:	100-730
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<b>PROPERTY NUMBERS Total: 1</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (860)286-0115  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 860-286-2929        Email: jcote@cantorcolburn.com        Correspondent Name: Cantor Colburn LLP        Address Line 1: 20 Church Street, 22nd Floor        Address Line 4: Hartford, CONNECTICUT 06103</p>											
ATTORNEY DOCKET NUMBER:	TKE0081US										
NAME OF SUBMITTER:	Daniel P. Lent										
<p>Total Attachments: 2          source=4922163#page1.tif</p>											

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**501455535**

**PATENT**  
**REEL: 025894 FRAME: 0691**



## ASSIGNMENT

WHEREAS We, **SHIN, Chang-Ju** of 303, 1148-10 Pungdeokcheon 2-dong, Suji-gu, Yongin-si Gyeonggi-do 448-556 Republic of Korea, **KIM, Tae-Hyung** of 501-703, Manhyeon Maeul Hyundai I-Park Apartment Sanghyeon-dong Suji-gu, Yongin-si Gyeonggi-do 448-524 Republic of Korea, **KIM, Kyung-Soo** of 305-1905, Songlim Maeul Apartment Hagi-dong Yuseong-gu Daejeon 305-759 Republic of Korea and **LEE, Jung-Sub** of 101-1204, E-pyonhansesang Apartment, Yongho maeul Dang-dong, Gunpo-si Gyeonggi-do 435-010 Republic of Korea (hereinafter referred to as "ASSIGNORS"); have invented certain new and useful improvements in:

### **[ANTHRACENE DERIVATIVE AND ORGANIC ELECTROLUMINESCENCE ELEMENT USING THE SAME]**

which claims priority to Korean Patent Application Nos. 10-2008-0086113, filed 02/09/2008; 10-2009-0055440, filed 22/06/2009 and for which We are about to file or have filed an application for Letters Patent of the United States;

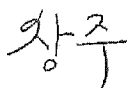
AND WHEREAS, **DOOSAN CORPORATION** (hereinafter referred to as "ASSIGNEE"), a corporation organized and existing under the laws of the Republic of Korea, having a place of business at **Doosan Tower 18F, 18-12, Ulchi-ro 6ka, Chung-gu, Seoul, 100-730 Republic of Korea** is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and Letters Patent to be obtained therefor;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, the receipt of which is hereby acknowledged, We, the said ASSIGNORS have assigned and transferred, and hereby assign and transfer unto the said ASSIGNEE, the entire right, title and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application; and We do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application, and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof, to the said ASSIGNEE, an assignee of the entire right, title and interest in and to the same, for the sole use and behoof of ASSIGNEE, its successors and assigns; and We do hereby agree that the

said ASSIGNEE, may apply for foreign Letters Patent on said invention and that We will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by the said ASSIGNEE, its successors or assigns, and that We will, at the cost and expense of the said ASSIGNEE fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their 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 Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

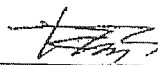
Date: 2011. 3. 3



[SHIN, Chang-Ju ]

L.S.

Date: 2011. 03. 03



[KIM, Tae-Hyung ]

L.S.

Date: 2011. 3. 3



[KIM, Kyoung-Soo ]

L.S.

Date: 2011. 03. 03



[LEE, Jung-Sub ]

L.S.