

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hyun-Tak KIM</td> <td>02/14/2008</td> </tr> <tr> <td>Byung Gyu CHAE</td> <td>02/14/2008</td> </tr> <tr> <td>Kwang-Yong KANG</td> <td>02/14/2008</td> </tr> <tr> <td>Yoon Ho SONG</td> <td>02/14/2008</td> </tr> </tbody> </table>		Name	Execution Date	Hyun-Tak KIM	02/14/2008	Byung Gyu CHAE	02/14/2008	Kwang-Yong KANG	02/14/2008	Yoon Ho SONG	02/14/2008
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Kwang-Yong KANG	02/14/2008										
Yoon Ho SONG	02/14/2008										
RECEIVING PARTY DATA											
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City:	Daejeon-city										
State/Country:	REPUBLIC OF KOREA										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12064948</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12064948						
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Application Number:	12064948										
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Total Attachments: 2
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**PATENT
 REEL: 021157 FRAME: 0103**

CH \$40.00 12064948

ASSIGNMENT

WHEREAS We, **KIM, Hyun Tak** of 206-1505 Expo Apt., Jeonmin-dong, Yusong-gu, Daejeon-city 305-761 Republic of Korea; **CHAE, Byung Gyu** of 313-302 Songgang Green Apt., Songgang-dong, Yusong-gu, Daejeon-city 305-751 Republic of Korea; **KANG, Kwang Yong** of 110-802 Hanwool Apt., Shinsung-dong, Yusong-gu, Daejeon-city 305-707 Republic of Korea; **SONG, Yoon Ho** of 127-405 Woosung Apt., Jeongrim-dong, Seo-gu, Daejeon-city 302-795 Republic of Korea (hereinafter referred to as "ASSIGNORS"); have invented certain new and useful improvements in:

**ELECTRON EMISSION DEVICE USING ABRUPT METAL-INSULATOR
TRANSITION AND DISPLAY INCLUDING THE SAME**

which is an international application PCT/KR2006/003356, filed on 25 August 2006, which claims the benefit of the filing dates of Korean Patent Application No. 10-2005-0078915, filed on 26 August 2005 and Korean Patent Application No. 10-2006-0018507, filed on 25 February 2006, in the Korean Intellectual Property Office, and for which We are about to file an application for Letters Patent of the United States;

AND WHEREAS, **ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE** (hereinafter referred to as "ASSIGNEE"), a corporation organized and existing under the laws of the Country of 161 Gajeong-dong, Yusong-gu, Daejeon-city, 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 therefore;

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: Feb. 14, 2008  L.S.
[KIM, Hyun-Tak]

Date: Feb. 14, 2008  L.S.
[CHAE, Byung Gyu]

Date: Feb. 14, 2008  L.S.
[KANG, Kwang-Yong]

Date: Feb. 14, 2008  L.S.
[SONG, Yoon Ho]