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Washington, D.C. 20231

FORM PTO-101
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Patent and Trademark Office

To the Honorable Commissioner of Patents

101837399

Based on records attached original document or copy thereof.

<p>1. Submission Type</p> <p><input checked="" type="checkbox"/> New <i>08/31/01</i></p> <p><input type="checkbox"/> Resubmission (Non-Recordation) Document ID # _____</p> <p><input type="checkbox"/> Correction of PTO Error Reel # _____ Frame # _____</p> <p><input type="checkbox"/> Corrective Document Reel # _____ Frame # _____</p>	<p>2. Name of Conveying Party(ies):</p> <p>KIM, Jeong-Tae YU, Yong-Sik</p> <p>Additional Name(s) of conveying party(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		
<p>3. Name and Address of Receiving Party(ies):</p> <p>Name: <u>Hyundai Electronics Industries Co., Ltd.</u></p> <p>Street Address: <u>San 136-1 Ami-Ri, Bubal-Eub,</u> <u>Kyoungki-Do</u></p> <p>City: <u>Ichon-Shi</u></p> <p>State/Country: <u>Korea</u> Zip: <u>467-860</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>4. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other: _____</p> <p>Execution Date: <u>06232001</u></p>		
<p>5. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application,</p> <p><input type="checkbox"/> the first execution date of the application is : _____</p> <p><input checked="" type="checkbox"/> the filing date of the application is: <u>05162001</u></p> <table border="0" style="width:100%"> <tr> <td data-bbox="180 1136 824 1283"> <p>A. Patent Application No.(s) 09855848</p> </td> <td data-bbox="824 1136 1421 1283"> <p>B. Patent No.(s)</p> </td> </tr> </table>		<p>A. Patent Application No.(s) 09855848</p>	<p>B. Patent No.(s)</p>
<p>A. Patent Application No.(s) 09855848</p>	<p>B. Patent No.(s)</p>		
<p>6 Name and address of party to whom correspondence concerning this matter should be mailed:</p> <p>CUSTOMER NUMBER 00136</p> <p>or</p> <p>JACOBSON, PRICE, HOLMAN & STERN, PLLC 400 Seventh Street, N.W. Washington, DC 20004 Tel. 202-638-6666</p> <p>Attorney Docket No. <u>P66213US0</u></p>	<p>7. Number of applications and patents <input type="text" value="1"/></p> <p>8. Total fee (37 CFR 3.41) \$ <u>40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Any deficiencies in enclosed fees are authorized to be charged to deposit account <u>06-1358</u>.</p>		
<p>09/04/2001 TLU11 00000008 09855848 40.00 DP DO NOT USE THIS SPACE</p> <p>03 FC:581</p>			
<p>10. Statement and Signature.</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <p><u>Yoon S. Ham/45,307</u> <i>[Signature]</i> <u>August 31, 2001</u></p> <p>Name of Person Signing/Reg. No. Signature Date</p> <p>Total number of pages excluding cover sheet: <input type="text" value="-1-"/></p>			

UNITED STATES OF AMERICA-ASSIGNMENT

(1-6) Insert Name(s) of Inventors

- (1) KIM, JEONG-TAE
(2) YU, YONG-SIK
(3)
(4)
(5)
(6)

In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned agree(s) to assign, transfer and set over to

(7) Insert Name of assignee

(7) HYUNDAI ELECTRONICS INDUSTRIES CO., LTD.

(8) Insert Address of Assignee

(8) of San 136-1, Ami-ri, Bubal-eub, Ichon-shi, Kyoungki-do, 467-860, Republic of Korea

(9) Insert Legal Entity and State or Country (e.g., a corporation or citizen of Japan)

(9) a Corporation of Republic of Korea (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention known as

(10) insert Identification of Invention, such as Title, Case Number or Foreign Application Number

(10) METHOD FOR FORMING A LOWER ELECTRODE FOR USE IN A SEMICONDUCTOR DEVICE

(11) Insert Date of Signing of Application, or filing date and Serial No., if known

for which the undersigned has (have) executed an application for patent in the United States of America (11) Said application having been executed/filed on May 16, 2001 (and assigned Serial No 09/855,848)

- 1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such application as the Assignee may deem necessary or expedient.
2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Union for Protection of Industrial Property or similar agreements.
4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.
6) The undersigned hereby grant(s) the law firm of Jacobson, Price, Holman & Stern, 400 Seventh Street, N.W., Washington, D.C. 20004, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date June 23, 2001 Name of Inventor KIM, JEONG-TAE (SEAL)
Date June 23, 2001 Name of Inventor YU, YONG-SIK (SEAL)
Date Name of Inventor (SEAL)
Date Name of Inventor (SEAL)
Date Name of Inventor (SEAL)
Date Name of Inventor (SEAL)

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

A additional inventor's names and signatures on a separate sheet. Witness BONG, Su-Yeon Witness HYUN, Kyung-Yeol

LAW OFFICES OF JACOBSON, PRICE, HOLMAN & STERN THE JENIFER BUILDING 400 SEVENTH STREET, N.W. WASHINGTON, D.C. 20004