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06-20-2005

FORM PTO-1595
1-31-92



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Docket No.: 6161.0579.US

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Hae-Kyoung KIM; Jae-Sung LEE; Hyun-Chul LEE; Hyuk CHANG; Chang-Houn RHEE</p> <p>Additional names of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <p>3. Nature of Conveyance</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: 08 June 2005</p>	<p>2. Name and address of receiving party(ies): Name: Samsung SDI Co., Ltd.</p> <p>Internal Address:</p> <p>Street Address: 575, Shin-dong, Yeongtong-gu, City: Suwon-si, Gyeonggi-do State or Country: The Republic of KOREA</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>
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113260 U.S. PTO
11/150366
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4. Application number(s) or patent number(s):

TITLE: MODIFIED INORGANIC MATERIAL WITH ION EXCHANGE CAPACITY, COMPOSITE ELECTROLYTE MEMBRANE COMPRISING THE SAME, AND FUEL CELL COMPRISING THE COMPOSITE ELECTROLYTE MEMBRANE

If this document is being filed together with a new application, the execution date of the application is **08 June 2005**


A. Patent Application No(s).
B. Patent No(s).

Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Hae-Chan Park McGuireWoods LLP 1750 Tysons Boulevard, Suite 1800 McLean, Virginia 22102</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): \$40.00</p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Total fee due <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees</p> <p>8. Deposit account number: 23-1951</p>
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9. Statement and signature

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.

Hae-Chan Park, Reg. No. 50,114  13 June 2005
Name of Person Signing Signature Date

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(40.00 DP)

PATENT
REEL: 016689 FRAME: 0796

Docket No.: 6161.0579.US

ASSIGNMENT

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in

- an application for United States Letters Patent entitled
MODIFIED INORGANIC MATERIAL WITH ION EXCHANGE CAPACITY, COMPOSITE ELECTROLYTE MEMBRANE COMPRISING THE SAME, AND FUEL CELL COMPRISING THE COMPOSITE ELECTROLYTE MEMBRANE ("Application");
- upon which United States Letters Patent, Patent Number _____, has issued ("Patent");

Whereas, Assignor desires to convey all rights, title and interests in and to the same to Samsung SDI Co., Ltd. ("Assignee"), with offices located at 575, Shin-dong, Younglong-gu, Suwon-si, Gyeonggi-do Republic of Korea;

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the Invention disclosed in said application and in and to any Letters Patent of the United States, , any continuation, division, renewal, or substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or inventor's certificates and related rights heretofore or hereafter filed for the Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals thereof.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor further covenants that Assignee will, upon Assignee's request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the U.S. or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent which may be granted for the invention and perform such further acts which may be necessary or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense..

IN WITNESS WHEREOF, Assignor has hereunto set hand and seal.

Assignor:

Signature: _____

Print

Name: _____

Address: _____

4-209 Gaepo Hansin Apt., 464 Dogok-dong, Gangnam-gu,
Seoul, KOREA

Date: _____

8 June 2005

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Docket No.: 6161 0579 US

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Assignor:
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 Date: 8 June 2005