

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Suk-gi HONG</td> <td>08/08/2012</td> </tr> <tr> <td>Jung-ock PARK</td> <td>08/08/2012</td> </tr> <tr> <td>Un-gyu PAIK</td> <td>08/08/2012</td> </tr> <tr> <td>Ki-chun KIL</td> <td>08/08/2012</td> </tr> <tr> <td>Ji-hoon SEO</td> <td>08/08/2012</td> </tr> </tbody> </table>		Name	Execution Date	Suk-gi HONG	08/08/2012	Jung-ock PARK	08/08/2012	Un-gyu PAIK	08/08/2012	Ki-chun KIL	08/08/2012	Ji-hoon SEO	08/08/2012
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<table border="1"> <tr> <td>Name:</td> <td>SAMSUNG ELECTRONICS CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>129, Samsung-ro, Yeongtong-gu</td> </tr> <tr> <td>City:</td> <td>Suwon-si, Gyeonggi-do</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>443-742</td> </tr> </table>		Name:	SAMSUNG ELECTRONICS CO., LTD.	Street Address:	129, Samsung-ro, Yeongtong-gu	City:	Suwon-si, Gyeonggi-do	State/Country:	KOREA, REPUBLIC OF	Postal Code:	443-742		
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PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13486239</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13486239								
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CORRESPONDENCE DATA													
Fax Number:	8602860115												
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
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ATTORNEY DOCKET NUMBER:	YPL1058US
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NAME OF SUBMITTER:	Grant M. Ehrlich
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ASSIGNMENT

WHEREAS We, Suk-gi HONG of c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea, Jung-ock PARK of c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea, Un-gyu PARK of c/o Hanyang University, 17, Haengdang-dong, Seongdong-gu, Seoul, Republic of Korea, Ki-chun KIL of c/o Hanyang University, 17, Haengdang-dong, Seongdong-gu, Seoul, Republic of Korea and Ji-hoon SEO of c/o Hanyang University, 17, Haengdang-dong, Seongdong-gu, Seoul, Republic of Korea (hereinafter collectively referred to as "ASSIGNORS") are the owners of the entire right, title and interest in the following invention and [United States Patent Application/Patent] (hereinafter referred to as the "INVENTION" and "APPLICATION," respectively):

CATALYST SLURRY, ELECTRODE PREPARED BY USING THE CATALYST SLURRY, AND FUEL CELL INCLUDING THE ELECTRODE,

filed as U.S. Application Serial Number 13/486,239, filed on June 1, 2012

AND WHEREAS, Samsung Electronics Co., Ltd., a corporation organized and existing under the laws of Korea, having a place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea; and Industry-University Cooperation Foundation Hanyang University, a corporation organized and existing under the laws of Korea, having a place of business at 17, Haengdang-dong, Seongdong-gu, Seoul, Republic of Korea (hereinafter collectively referred to as the "ASSIGNEES"), and ASSIGNORS are desirous of becoming joint owners (ASSIGNORS and ASSIGNEES are hereinafter collectively referred to as "JOINT OWNERS") of the INVENTION, the APPLICATION, and any Patents that issue therefrom;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, the ASSIGNORS has assigned and transferred, and hereby assign and transfer unto each

ASSIGNEE, an undivided joint right, title and interest in and to the INVENTION, the APPLICATION, and any Patents that issue therefrom, in any and all countries, including all divisions, reissues, continuations, continuations in part, and extensions thereof.

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 Patents issuing thereon.

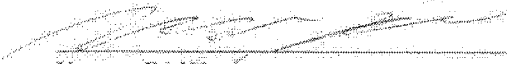
Date: August 8, 2012


Suk-gi HONG L.S.

Date: August 8, 2012


Jung-ock PARK L.S.

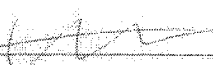
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