

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
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DATE SIGNED:	09/09/2014
Total Attachments: 1	
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ASSIGNMENT OF PATENT APPLICATION

WHEREAS KAIST (**Korea Advanced Institute of Science and Technology**), a research institute of Republic Korea, whose post office address is **373-1 Guseong-dong, Yuseong-gu, Daejeon 305-701, Republic of Korea** (hereinafter referred to as "Assignor"), owned the following patents and/or patent application: U.S. patent Application No. **13/288,167** filed on **November 3, 2011** (herein after referred as the "Patent(s)"),

BE IT KNOWN that, for good and valuable consideration, the receipt of which is hereby acknowledged, KAIST, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto **KAIST IP Co. Ltd.**, a corporation of **Republic Korea**, whose post office address is **4101, Energy Environment Research Center (N28), 291 Daehak-ro, Yuseong-gu, Daejeon 305-701, Republic of Korea** (hereinafter referred to as "Assignee"), its lawful successors and assigns my/our entire right, title, and interest in and to this application and the invention(s) and improvement(s) set forth therein; and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Patent(s) and any and all patent(s) of the United States and of countries foreign thereto, which may be granted thereon or therefore; and any reissues, reexaminations, or extensions of all such Letters Patent.

Assignor HEREBY authorize the Assignee, its lawful successors and assigns to apply for Letters Patent in all countries foreign to the United States directly in its own name, and to claim priority of the filing date of any of the above-mentioned applications for Letters Patent of the United States and of countries foreign thereto under the provisions of any and all international conventions and treaties.

Assignor HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States and official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as foresaid, to issue all Letters Patent for this invention to the Assignee, its successors and assigns, in accordance with the terms of this Assignment;

Assignor HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and Assignor have not executed and will not execute any agreement in conflict with this Assignment;

AND, Assignor HEREBY further covenant and agree that Assignor will, without further consideration, communicate with said Assignee, its successors and assigns, any facts known to me/us respecting the Patent(s), above-mentioned applications and above-mentioned Letters Patent and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this Patent(s), above-mentioned applications and above-mentioned Letters Patent in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors and assigns, to obtain and enforce proper patent protection for the Patent(s), above-mentioned applications and above-mentioned Letter Patent in the United States and in countries foreign thereto, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

Date: June 16, 2014

Joonho Yun

Name: Joon Ho Yun

Title and Company: A chief of Technology
Commercialization Center of KAIST (Korea Advanced
Institute of Science and Technology)