

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT
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WONTAE KOO	06/22/2016
JISU JANG	06/22/2016
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Property Type	Number
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DATE SIGNED:	06/24/2016
Total Attachments: 2	
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ASSIGNMENT

We, IL-DOO KIM, residing in Daejeon, Republic of Korea, WONTAE KOO, residing in Daejeon, Republic of Korea, JISU JANG, residing in Daejeon, Republic of Korea, represent that we have invented improvements in a new and useful "POROUS SEMICONDUCTOR METAL OXIDE COMPLEX NANOFIBERS INCLUDING NANOPARTICLE CATALYST FUNCTIONALIZED BY NANO-CATALYST INCLUDED WITHIN METAL-ORGANIC FRAMEWORK, GAS SENSOR AND MEMBER USING THE SAME, AND METHOD OF MANUFACTURING THE SAME" for which we have executed an application for Letters Patent of the United States of America.

KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY is organized and exists under the laws of the Republic of Korea, has a place of business at 291, Daehak-ro, Yuseong-gu, Daejeon, 34141 Republic of Korea, and desires to acquire the entire right, title and interest in and to the invention, application and letters patent to be granted and issued thereon.

For valuable consideration, the receipt and legal sufficiency of all of which we acknowledge, we have sold and do hereby sell, assign, transfer and set over unto Korea Advanced Institute of Science and Technology, its successors and assigns, the entire right, title and interest in and to the invention and all improvements thereon, in and to the application for letters patents thereon, in and to applications pertaining to or based upon the invention and application, including divisional and continuing applications and continuations-in-part, and in and to any and all letters patent which may be granted and issued on the invention and applications, or any of them, in the United States of America, its territories and possessions, and in all countries foreign thereto, together with and including all priority rights based upon any and all applications in the United States of America covered by this Assignment.

We also agree that we will, at the request of Korea Advanced Institute of Science and Technology, execute any and all applications for letters patent for the invention, execute any and all other papers and documents and do all other and further lawful acts that Korea Advanced Institute of Science and Technology may deem necessary or desirable to obtain letters patent on the invention, to secure the grant of such letters patent and to protect and vest in Korea Advanced Institute of Science and Technology, the undivided interests in the right, title and interest in the invention, applications and letters patent.

We also authorize and empower Korea Advanced Institute of Science and Technology, its successors and assigns to apply for and obtain, in its or their own names, letters patent for the invention before competent International Authorities and

in any and all countries foreign to the United States in which applications for letters patent can be so made or letters patent so obtained.

Date: 06.22, 2016 IL-DOO KIM
IL-DOO KIM

Date: 06.22, 2016 WONTAE KOO
WONTAE KOO

Date: 06.22, 2016 JISU JANG
JISU JANG

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