

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YONGHEE KIM	01/20/2020
SEONGDONG JANG	01/20/2020
XUAN HA NGUYEN	01/20/2020
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<b>Postal Code:</b>	34141
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16797309
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<b>NAME OF SUBMITTER:</b>	THOMAS R. HIPKINS
<b>SIGNATURE:</b>	/Thomas R. Hipkins/
<b>DATE SIGNED:</b>	02/21/2020
<b>Total Attachments: 3</b>	
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ASSIGNMENT

Whereas, Yonghee Kim, Seongdong Jang, and Xuan Ha Nguyen, with an address of 291, Daehak-ro, Yuseong-gu, Daejeon 34141, Republic of Korea, ("Assignors"), have made invention(s) for which United States and foreign patents and patent applications have been filed and are identified on the attached Schedule 1;

Whereas, Korea Advanced Institute of Science and Technology, having an address of 291, Daehak-ro, Yuseong-gu, Daejeon 34141, Republic of Korea ("Assignee"), desires to acquire the entire right, title and interest in and to the United States and foreign patents and patent applications identified on the attached Schedule 1 and in and to the inventions described and claimed therein (the "Patents"); and

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor(s) hereby assign(s) to Assignee, and its successors and assigns the following:

- (1) The entire right, title and interest to the Patents including the inventions described or claimed therein, and to each U.S. and foreign patent application and patent from which the Patents claim priority to, in whole or in part, and to which the Patents claim priority; and
- (2) The entire right, title and interest to any United States or foreign patents that may issue with respect to the inventions described or claimed in the Patents;
- (3) The entire right, title and interest to any renewals, reissues, extensions, substitutions, continuations, continuations-in-part, or divisions of the Patents, and all foreign applications based thereon;
- (4) The right to apply for patents in foreign countries in its own name and to claim any priority rights to which such foreign applications are entitled under international conventions, treaties or otherwise; and
- (5) The right to enforce patent rights to such Patents as fully and entirely as the same would have been held and enjoyed by the Assignors if this assignment had not been made; together with all claims by Assignors for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives.

Assignor(s) further agree(s) for himself/themselves and for his/her/their successors and assigns to execute and deliver without further consideration any further applications, assignments or other documents and to perform such other lawful acts as Assignee, its successors and assigns may deem necessary to fully secure, maintain and enforce its rights, title or interest as outlined herein.

Assignors hereby authorize and request the Commissioner of Patents to issue to Assignee any patents that may be granted in accordance with this Assignment.

We hereby authorize attorneys associated with Customer No. 22859, of 200 South Sixth Street, Suite 4000, Minneapolis, Minnesota, 55402-1425, to insert the application numbers, filing dates, and other identifying information on Schedule 1 when known.

This Agreement may be executed in one or more counterparts, all of which shall be considered one and the same agreement. The signatures from each counterpart may be combined with a copy of the Agreement to constitute the entire Agreement.

Date: January 20, 2020

*Won-hee Lee*

Witness Won-hee LEE

*[Signature]*  
Yonghee Kim

Date: January 20, 2020

*Won-hee Lee*

Witness Won-hee LEE

*[Signature]*  
Seongdong Jang

Date: January 20, 2020

*Won-hee Lee*

Witness Won-hee LEE

*[Signature]*  
Xuan Ha Nguyen

**SCHEDULE 1****US Patent Applications**

<b>Patent App. No.</b>	<b>Date Filed</b>	<b>Title</b>	<b>Attorney Docket No.</b>
16/797,309	02/21/2020	NUCLEAR FUEL ROD INCLUDING DISK-TYPE BURNABLE ABSORBER	79154.3010.1

**US Patents**

<b>Patent No.</b>	<b>Date Issued</b>	<b>Title</b>

**Foreign and International Patent Applications**

<b>Country</b>	<b>Patent App. No.</b>	<b>Date Filed</b>	<b>Title</b>
KR	10-2019-0135740	10/29/2019	NUCLEAR FUEL ROD INCLUDING DISK-TYPE BURNABLE ABSORBER

**Foreign Patents**

<b>Country</b>	<b>Patent No.</b>	<b>Date of Issue</b>	<b>Title</b>

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