

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
UNIST ACADEMY-INDUSTRY RESEARCH CORPORATION	02/23/2016
RECEIVING PARTY DATA	
Name:	ULSAN NATIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY
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City:	ULSAN
State/Country:	KOREA, REPUBLIC OF
Postal Code:	44919
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14780002
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SIGNATURE:	/Yoon S. Ham/
DATE SIGNED:	02/23/2016
Total Attachments: 3	
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source=Assignment#page3.tif	

ASSIGNMENT

WHEREAS, UNIST Academy-Industry Research Corporation, a corporation of Republic of Korea, located and doing business at 100, BANYEON-RI, EONYANG-EUP, ULJU-GUN, ULSAN, Republic of Korea (hereinafter Assignor) own U.S. Patent Applications Nos. 14/780,802, filed 09/25/2015, 14/894,364, filed 11/26/2015, 14/967,376, filed 12/14/2015, 14/843,518, filed 09/02/2015, 14/684,178, filed 04/09/2015, 14/547,551, filed 11/19/2014, 14/849,250, filed 09/09/2015, 14/895,702, filed 12/03/2015, 14/923,020, filed 10/26/2015, 14/972,216, filed 12/17/2015, 14/904,237, filed 08/16/2013, 14/975,337 filed on 12/18/2015, 14/873,728, filed on 10/02/2015, and 14/908,124, filed on 01/28/2016, by virtue of an Assignment as shown in the appendix A attached herewith.

WHEREAS, ULSAN NATIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY, a corporation of Republic of Korea, located and doing business at 50, UNIST-gil, Ulsan 44919, Republic of Korea (hereinafter Assignee) is desirous of acquiring the complete title and interest in said Letters Patents and Patent Applications.

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor by these presents do sell, assign and transfers unto said Assignee, its successors, legal representatives, heirs and assigns the entire right, title and interest in the United States to said invention as described in U.S. Patent Applications Nos. 14/780,802, filed 09/25/2015, 14/894,364, filed 11/26/2015, 14/967,376, filed 12/14/2015, 14/843,518, filed 09/02/2015, 14/684,178, filed 04/09/2015, 14/547,551, filed 11/19/2014, 14/849,250, filed 09/09/2015, 14/895,702, filed 12/03/2015, 14/923,020, filed 10/26/2015, 14/972,216, filed 12/17/2015, 14/904,237, filed 08/16/2013, 14/975,337 filed on 12/18,2015, 14/873,728, filed on 10/02/2015, and 14/908,124, filed on 01/28/2016, and all re-issues, or extensions of said Letters Patents to be held and enjoyed by said Assignee for its own use, or for its legal representatives, successors, heirs, and assigns to the full end of the term for which said Letters Patents and Patent Applications are granted, and any extensions thereof, as fully and entirely as the same would have been held by said Assignor had this assignment and sale not been made, and for the same consideration said Assignor hereby covenants and agrees that at the time of execution and delivery of this instrument it is the lawful owner of the complete right, title and interest in and to said invention and said Letters Patents and Patent Applications above mentioned, and its interest is unencumbered and that it has good and full right and lawful authority to sell and convey its interest in the manner set forth herein; and for the same consideration Assignor hereby covenants and agrees that it will, whenever counsel for said Assignee, or counsel for their legal

successors, legal representatives, heirs or assigns shall advise that any proceedings in connection with said Letters Patents and Patent Applications or any re-issue or extension of said Letters Patents and Patent Applications to be obtained thereon, is lawful and desirable, sign all papers and documents, make all lawful oaths, and do all acts necessary as required to be done for the procurement, maintenance, enforcement and defense of said Letters Patents, without charge to said Assignor, its successors, legal representatives, heirs and assigns, but at the expense of said Assignee, their successors, legal representatives, heirs and assigns.

Assignor hereby further assigns to Assignee all claims and causes of action for infringement of the patent rights assigned herein, including the right to sue for, and collect damages for, any and all acts of past and future infringement.

Assignor hereby grants Hauptman Horn, LLP, located at 2318 Mill Road, Suite 1400, Alexandria, VA 22314 (Customer No. 22429), the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Assignor:

UNIST Academy-Industry Research Corporation

Date: 2/23, 2016

Signature: 

Name: SUNG CIVIL BAE

Title: President of UNIST AIRC

Enclosed: Appendix A

Appendix A

	Application No.	Filing Date	Reel No.	Frame No.	Recorded
1	14/780,002	09/25/2015	036653	0159	09/25/2015
2	14/894,364	11/26/2015	037147	0328	11/26/2015
3	14/967,376	12/14/2015	037278	0452	12/14/2015
4	14/843,518	09/02/2015	036480	0715	09/02/2015
5	14/684,178	04/09/2015	035385	0681	04/10/2015
6	14/547,551	11/19/2014	034636	0792	01/05/2015
7	14/849,250	09/09/2015	036524	0409	09/09/2015
8	14/895,702	12/03/2015	037201	0936	12/03/2015
9	14/923,020	10/26/2015	036883	0866	10/26/2015
10	14/972,216	12/17/2015	037313	0579	12/17/2015
11	14/904,237	08/16/2013	037452	0848	01/11/2016
12	14/975,337	12/18/2015	037339	0207	12/21/2015
13	14/873,728	10/02/2015	036877	0121	10/16/2015
14	14/908,124	01/28/2016	037602	0598	01/28/2016