

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5574359

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SUNGCHAN CHO	06/05/2019
MIRI CHOI	06/05/2019
JOO YOUN LEE	06/03/2019
RECEIVING PARTY DATA	
Name:	KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY
Street Address:	125, GWAHAK-RO, YUSEONG-GU
City:	DAEJEON
State/Country:	KOREA, REPUBLIC OF
Postal Code:	34141
Name:	KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY
Street Address:	141, GAJEONG-RO, YUSEONG-GU
City:	DAEJEON
State/Country:	KOREA, REPUBLIC OF
Postal Code:	34114
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16470014
CORRESPONDENCE DATA	
Fax Number:	(612)332-9081
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	6123325300
Email:	kwebber@merchantgould.com
Correspondent Name:	RYAN C. SMITH
Address Line 1:	P.O. BOX 2903
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402-0903
ATTORNEY DOCKET NUMBER:	09983.0197FPWO
NAME OF SUBMITTER:	RYAN C. SMITH
SIGNATURE:	/Ryan C. Smith/

DATE SIGNED:	06/17/2019
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Total Attachments: 4

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INSTRUCTIONS	<u>ASSIGNMENT TO CORPORATION</u>
Inventor(s) Name, Address, Citizenship	WHEREAS, 1. <u>CHO, Sungchan</u> residing at <u>125, Gwahak-ro, Yuseong-gu, Daejeon 34141, Republic of Korea.</u> 2. <u>CHOI, Miri</u> residing at <u>125, Gwahak-ro, Yuseong-gu, Daejeon 34141, Republic of Korea.</u> 3. <u>LEE, Joo Yoon</u> residing at <u>Korea Research Institute Of Chemical Technology, 141, Gajeong-ro, Yuseong-gu, Daejeon 34114, Republic of Korea.</u>
Check the appropriate box and fill in the requested information: <ul style="list-style-type: none"> • select the first check box if the application is a national stage of a PCT application and provide the international application number and filing date before sending the assignment for execution; • select the second check box if the application will be filed without the executed assignment - once the assignment is executed and the serial number and filing date of the U.S. application are known, provide this information before recordation; • select the third check box if the application was previously filed and provide the serial number and filing date before sending the assignment for execution; or • select the fourth check box if the application will be filed with the application. 	(herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States entitled and which: <ul style="list-style-type: none"> <input type="checkbox"/> is the national stage application of International Application No. filed on _____; <input checked="" type="checkbox"/> claims priority to <u>PCT/KR2017/014893</u> filed on <u>15 December 2017</u>; <input type="checkbox"/> will be filed without this executed PATENT ASSIGNMENT. THE UNDERSIGNED hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Merchant & Gould PC, who are associated with customer number 23552, to insert here in parenthesis (U.S. Serial No. _____, filed _____) this application's U.S. Serial Number and filing date, when known; <input type="checkbox"/> was filed on _____ and was given U.S. Serial No. _____; or <input type="checkbox"/> is filed concurrently herewith;
Name of Corporation	<u>AND KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY</u> , a corporation organized under the laws of the Republic of Korea, and having an office and place of business at <u>125, Gwahak-ro, Yuseong-gu, Daejeon 34141, Republic of Korea;</u> and <u>KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY</u> , a citizen of the Republic of Korea, and having an address of <u>141, Gajeong-ro, Yuseong-gu, Daejeon 34114, Republic of Korea;</u> (herein called "ASSIGNEES")
State or Country of Incorporation and Address	wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor.

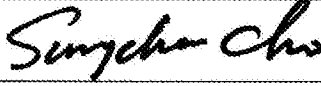
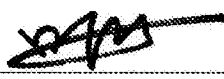
NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEES, their successors and assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application and all the right(s) to claim priority thereto, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in all countries for Letters Patent on the said invention including as assignment of all rights under the provisions of the International Convention, and all Letters Patent of all countries which may be granted therefrom; and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEES of the entire right, title and interest in and to the same, for the use of the ASSIGNEES, their successors and assigns.

THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEES) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEES, their successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEES, their successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said ASSIGNEES their successors and assigns, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

Each inventor must sign & date
Note: No legalization or other witness required

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Name: CHO, Sungchan	Signature: 	Date: June 5th, 2019
Name: CHOI, Miri	Signature: 	Date: June 5th, 2019
Name: LEE, Joo Youn	Signature:	Date:

INSTRUCTIONS	<u>ASSIGNMENT TO CORPORATION</u>
Inventor(s) Name, Address, Citizenship	WHEREAS, 1. <u>CHO, Sungchan</u> residing at <u>125, Gwahak-ro, Yuseong-gu, Daejeon 34141, Republic of Korea.</u> 2. <u>CHOI, Miri</u> residing at <u>125, Gwahak-ro, Yuseong-gu, Daejeon 34141, Republic of Korea.</u> 3. <u>LEE, Joo Yoon</u> residing at <u>Korea Research Institute Of Chemical Technology, 141, Gajeong-ro, Yuseong-gu, Daejeon 34114, Republic of Korea.</u>
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Name of Corporation	<u>AND KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY</u> , a corporation organized under the laws of the Republic of Korea, and having an office and place of business at <u>125, Gwahak-ro, Yuseong-gu, Daejeon 34141, Republic of Korea;</u> and <u>KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY</u> , a citizen of the Republic of Korea, and having an address of <u>141, Gajeong-ro, Yuseong-gu, Daejeon 34114, Republic of Korea;</u> (herein called "ASSIGNEES")
State or Country of Incorporation and Address	wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor.


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THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEES) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEES, their successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEES, their successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said ASSIGNEES their successors and assigns, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

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Name: CHOI, Miri	Signature:	Date:
Name: LEE, Joo Youn	Signature: 	Date: 06/03/2019