

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SUNG YUN LEE	06/01/2016
YEON JU SIM	06/01/2016
JONG HWA LEE	06/01/2016
RECEIVING PARTY DATA	
Name:	TORAY CHEMICAL KOREA INC.
Street Address:	102, GUMI-DAERO, GUMI-SI
Internal Address:	(GONGDAN-DONG)
City:	GYEONGSANGBUK-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	730-030
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15102822
CORRESPONDENCE DATA	
Fax Number:	(858)715-6938
<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:	858-715-6858
Email:	DOCKETING@MASUVALLEY.COM
Correspondent Name:	MASUVALLEY & PARTNERS
Address Line 1:	9665 GRANITE RIDGE DRIVE, SUITE 560
Address Line 4:	SAN DIEGO, CALIFORNIA 92123
ATTORNEY DOCKET NUMBER:	16090-301US
NAME OF SUBMITTER:	SHIRIN BOZORGUI
SIGNATURE:	/Shirin Bozorgui/
DATE SIGNED:	06/08/2016
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 3	
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**INVENTOR(S) DECLARATION (37 CFR 1.63) AND
ASSIGNMENT (37 CFR 1.46) FOR A PATENT APPLICATION
FILED ON AND AFTER SEPTEMBER 16, 2012**

I/WE hereby declare as follows:

- I. 37 CFR 1.63(a)(1) - LEGAL NAME OF INVENTOR OR JOINT INVENTOR**
My/Our legal name(s) appears at the end of this declaration next to my signature.
- II. 37 CFR 1.63(a)(2) - IDENTIFICATION OF THE APPLICATION TO WHICH
THIS DECLARATION IS DIRECTED**
This declaration is directed to the following application:

APPLICATION TITLE	POROUS OUTFLOW PIPE FOR FORWARD OSMOSIS OR PRESSURE-RETARDED OSMOSIS, AND FORWARD OSMOSIS OR PRESSURE-RETARDED OSMOSIS MODULE COMPRISING SAME
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APPLICATION IS ATTACHED, IF THE BOX TO THE RIGHT IS CHECKED		
OR		
APPLICATION NUMBER AND FILING DATE (ENTER EITHER US OR PCT INTERNATIONAL APPLICATION INFORMATION)	APPLICATION NUMBER: PCT/KR2014/012339	FILING DATE: 12/15/2014

- III. 37 CFR 1.63(a)(3) STATEMENT THAT I AM AN INVENTOR**
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application for which this declaration is being submitted.
- IV. 37 CFR 1.63(a)(4) STATEMENT OF AUTHORIZATION**
The above-identified application was made or authorized to be made by me.
- V. 37 CFR 1.63(b) LEGAL NAME, MAILING ADDRESS, RESIDENCE ADDRESS**
I understand that rule 37 CFR 1.63(b) requires that my legal name, mailing address where I customarily receive mail, and my residence address, must be submitted in this application, but do not need to be submitted in this declaration. I have provided accurate information for my legal name, mailing address where I customarily receive mail, and my residence address.
- VI. 37 CFR 1.63I REVIEW AND ACKNOWLEDGMENT OF 1.56 DUTY**

I have reviewed and I understand the contents of this application, including the claims. I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in the Code of Federal Regulations, Volume 37, rule 1.56.

VII. 37 CFR 1.63(g) ACKNOWLEDGMENT

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than (5) years, or both. All statements I make in this declaration based upon my own knowledge are true, and all statements I make in this declaration based upon information and belief I believe to be true.

VIII. AUTHORIZATION TO PERMIT ACCESS TO APPLICATION BY PARTICIPATING OFFICES

I hereby grant the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), and any other intellectual property office in which a foreign application claiming priority to the above-identified application is filed, access to the above-identified patent application.

IX. POWER TO FURTHER IDENTIFY

I authorize MASUVALLEY AND PARTNERS to fill in ; the application number, the filing date, and any other information desirable to identify the application, on the pages of this declaration, after I/WE sign.

X. CORRESPONDENCE ADDRESS

Direct all correspondence to the address for customer number 60468 for the firm of MASUVALLEY AND PARTNERS.

XI. ASSIGNMENT

WHEREAS, the assignee or assignees listed below (hereinafter referred to as "ASSIGNEE") are desirous of acquiring the entire right, title and interest in and to said invention identified above and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, and for other good and valuable consideration, by these presents, I do, at this time, sell, assign and transfer unto said ASSIGNEE the full and exclusive right to the said invention, which includes any invention disclosed or claimed in any application identified above, in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted in the future or were granted in the past therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof which may be granted in the future be granted or were granted in the past. This transfer includes all rights to collect for money for and obtain injunctions based upon, past infringement.




Further, I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grants(s) the firm of MASUVALLEY AND PARTNERS, The power to insert on this assignment any further identification, including firm reference number, application number, filing date, and execution date, and any other information 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.

XII. INVENTOR/ASSIGNOR LEGAL NAME(S) AND SIGNATURE(S)

PRINTED LEGAL NAMES OF ALL INVENTORS:

INVENTOR LEGAL NAMES (PRINTED)	INVENTOR SIGNATURE	DATE SIGNED
LEE, Sung Yun		2016.06.01
SIM, Yeon Ju		2016.06.01
LEE, Jong Hwa		2016.06.01

XIII. ASSIGNEE(S) IDENTIFICATION

The assignee(s) of this application, and their address(es):

ASSIGNEE NAME:	TORAY CHEMICAL KOREA INC.
ASSIGNEE ADDRESS: (For a United States address, include on separate lines: street; city; state; zip code. For non united state address include on separate lines: street; city; country; postal code)	(Gongdan-dong) 102, Gumi-daero, Gumi-si Gyeongsangbuk-do 730-030 Republic of Korea