

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4486380

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SANG-GU YIM	03/08/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PUSAN NATIONAL UNIVERSITY INDUSTRY UNIVERSITY COOPERATION FOUNDATION OF PUSAN
<b>Street Address:</b>	2 (JANGJEON DONG, PUSAN NATIONAL UNIVERSITY)
<b>Internal Address:</b>	BUSANDAEHAK-RO 63BEON-GIL GEUMJEONG-GU
<b>City:</b>	BUSAN
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	46241
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15507198
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(512)536-4598
<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>	
<b>Phone:</b>	512-474-5201
<b>Email:</b>	aoipdocket@nortonrosefulbright.com
<b>Correspondent Name:</b>	NORTON ROSE FULBRIGHT LLP
<b>Address Line 1:</b>	98 SAN JACINTO BOULEVARD
<b>Address Line 2:</b>	SUITE 1100
<b>Address Line 4:</b>	AUSTIN, TEXAS 78701
<b>ATTORNEY DOCKET NUMBER:</b>	NCIP.P0035US
<b>NAME OF SUBMITTER:</b>	HANNAH E. WIMBERLEY
<b>SIGNATURE:</b>	/Hannah E. Wimberley/
<b>DATE SIGNED:</b>	06/30/2017
<b>Total Attachments: 1</b>	
source=NCIP.P0035US - ASSIGNMENT#page1.tif	

## A S S I G N M E N T

WHEREAS, the undersigned (individually "ASSIGNOR" and collectively "ASSIGNORS"), are named inventors of the patent(s)/application(s) identified below (collectively "Patent(s)"),

AND WHEREAS PUSAN NATIONAL UNIVERSITY INDUSTRY UNIVERSITY COOPERATION FOUNDATION OF PUSAN, having a place of business at 2 (JangJeon Dong, Pusan National University), Busandaehak-ro 63beon-gil Geumjeong-gu, Busan, Korea, 46241 ("ASSIGNEE"), is desirous of acquiring all right, title and interest in and to the Patent(s);

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each ASSIGNOR does hereby:

IRREVOCABLY SELLS, ASSIGNS, AND TRANSFERS to the ASSIGNEE ASSIGNOR's entire right, title, and interest throughout the world in U.S. Patent Application No. 15/507,198, filed February 27, 2017, titled "ETCHING MASK, MANUFACTURING METHOD THEREFOR, POROUS MEMBRANE MANUFACTURING METHOD USING ETCHING MASK, POROUS MEMBRANE, FINE DUST-BLOCKING MASK INCLUDING POROUS MEMBRANE, AND MANUFACTURING METHOD FOR SURFACE ENHANCED RAMAN SCATTERING ACTIVE SUBSTRATE", including all information disclosed therein, such right, title, and interest including but not limited to the right to sue for injunctions and/or damages for any past, ongoing, and/or future infringement. For the avoidance of doubt, this sale, assignment, and transfer extends to all ASSIGNOR's right, title, and interest in all patents and applications (throughout the world) of any kind that claim priority to or otherwise issue from any of the Patent(s), including any and all divisional, continuation, continuation-in-part, continuing, extension, foreign, international, national phase, non-provisional, provisional, reexamination, reissue, renewal or substitute patents and/or patent applications;

WARRANTS AND COVENANTS that ASSIGNOR has the authority to enter this ASSIGNMENT agreement, and that ASSIGNOR has done nothing and will not do anything to impair the rights conveyed to ASSIGNEE by this Agreement;

COVENANTS that, when requested and at the expense of the ASSIGNEE, ASSIGNOR will carry out in good faith the intent and purpose of this Agreement, including but not limited to executing any and all documents in connection with the Patent(s) and any and all divisional, continuation, continuation-in-part, continuing, extension, foreign, international, national phase, non-provisional, provisional, reexamination, reissue, renewal or substitute patents, and/or patent applications claiming priority to, or based on any information disclosed in any of the Patent(s), including all rightful oaths, declarations, assignments, powers of attorney, and other papers; communicate to the ASSIGNEE all facts known to the ASSIGNOR relating to all information disclosed in the Patent(s) and the history thereof; and generally do everything possible that the ASSIGNEE shall consider desirable for vesting title to the Patent(s) and such patents and/or patent applications in the ASSIGNEE, and for securing, maintaining, and enforcing patent protection for the Patent(s) and such patents and/or patent applications;

WAIVES any right it has to challenge the adequacy of the consideration; and


AGREES that this Agreement is binding on ASSIGNOR's heirs, assigns, representatives, and successors.

ASSIGNOR

  
Name: Sang-Gu Yim

Mar 8, 2017  
Date

ASSIGNEE

  
Name: Eun-young Yun  
Title: Team Leader

May 11, 2017  
Date