503441838 08/18/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3488462

SUBMISSION TYPE:		1	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		/	ASSIGNMENT			
CONVEYING PARTY D	ΑΤΑ	•				
			Name	Execution Date		
TAE-YOON KIM					06/19/2015	
YUN SANG LEE					06/19/2015	
RECEIVING PARTY DA	ТА					
Name:	THE CATHOLIC UNIVERSITY OF KOREA INDUST				/-ACADEMIC	
Street Address:	CATHO	CATHOLIC UNIV. OF KOREA SONGEUI CAMPUS				
Internal Address:	222, B/	222, BANPO-DAERO, SEOCHO-GU				
City:	SEOUL	SEOUL				
State/Country:	KORE	KOREA, REPUBLIC OF				
Postal Code:	137-70	137-701				
Property Type 472 Application Number: 1472		147286	Number 8682			
		147200	002			
CORRESPONDENCE	ΔΤΑ					
Fax Number:		(703)2	288-5139			
			-mail address first; if that is un at is unsuccessful, it will be ser			
Phone:	providet		88-5105		5 mail.	
			nt@park-law.com			
Correspondent Name:		H.C. P	PARK & ASSOCIATES, PLC			
			PRESTON WHITE DRIVE			
Address Line 4:		REST	ON, VIRGINIA 20191			
ATTORNEY DOCKET NUMBER:			P6507US00			
NAME OF SUBMITTER:			HAE-CHAN PARK			
SIGNATURE:			/hae-chan park/			
DATE SIGNED:			08/18/2015			
			This document serves as an Oath	n/Declar	ation (37 CFR 1.63).	
Total Attachments: 2		I				
source=P6507US00 Exe	cutedDec	laratior	n#page1.tif			
source=P6507US00 Exe	cutedDec	laratior	n#page2.tif			



ASSIGNMENT SERVING AS DECLARATION PER 37 C.F.R. § 1.63(e)

As a below named inventor and Assignor, I declare that:

This assignment and declaration are directed to:

United States application no. 14/728,682 filed on June 2, 2015, which claims priority from:

Korean Patent Application No. 10-2014-0067769, filed June 3, 2014.

As amended on ______(if applicable);

The above-identified Application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the Application.

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 five (5) years, or both.

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in the Application,

Whereas, Assignor desires to convey all rights, titles, and interests in and to the same to:

The CATHOLIC UNIVERSITY OF KOREA INDUSTRY-ACADEMIC COOPERATION FOUNDATION Catholic Univ. of Korea Songeui Campus 222, Banpo-daero, Seocho-gu 137-701 Seoul Republic of Korea

The CATHOLIC UNIVERSITY OF KOREA INDUSTRY-ACADEMIC COOPERATION FOUNDATION herein further referred to as ("Assignee").

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration. Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the Invention disclosed in said application and in and to any Letters Patent of the United States (US), any continuation, division, renewal, or substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or Inventor's certificates and related rights heretofore or hereafter filed for the Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals thereof.

Page 1 of 2

PATENT REEL: 036353 FRAME: 0060



Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor further covenants that Assignee will, upon Assignee's request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the US or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent which may be granted for the invention and perform such further acts which may be necessary or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense.

IN WITNESS WHEREOF, Inventor and Assignor has hereunto set hand and seal.

First Inventor's and Assignor's Name:

Tae-Yoon KIM

Address:

8-702, Asia Seonsuchon Apt., 15, Olympic-ro 4-gil, Songpa-gu 138-797 Seoul Republic of Korea

First Inventor's and Assignor's Signature:

Date:

6.19 X

Second Inventor's and Assignor's Name:

Address:

Yun Sang LEE

17 Munseongro 32ga-gil 151-901 Seoul Republic of Korea

Second Inventor's and Assignor's Signature:

Date:

2015

Page 2 of 2