

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4163278

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JONG-SOO PARK	08/20/2013
YOUNG-JAE LEE	08/20/2013
KYUNG-RAN HWANG	08/20/2013
SHIN-KUN RYI	08/20/2013
DONG-KOOK KIM	08/20/2013
TAE-HWAN KIM	08/20/2013
CHUN-BOO LEE	08/20/2013
KYUNG-SUN YOO	08/20/2013
RECEIVING PARTY DATA	
Name:	KOREA INSTITUTE OF ENERGY RESEARCH
Street Address:	71-2, JANG-DONG, YUSEONG-GU
City:	DAEJEON
State/Country:	KOREA, REPUBLIC OF
Postal Code:	305-343
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14000809
CORRESPONDENCE DATA	
Fax Number:	(202)371-2540
<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:	2023712600
Email:	lsilver@skgf.com, xshen@skgf.com
Correspondent Name:	STERNE KESSLER GOLDSTEIN & FOX PLLC
Address Line 1:	1100 NEW YORK AVE., NW
Address Line 4:	WASHINGTON, D.C. 20005
ATTORNEY DOCKET NUMBER:	3140.0040001
NAME OF SUBMITTER:	XIANFENG SHEN
SIGNATURE:	/Xianfeng Shen/

DATE SIGNED:	11/30/2016
Total Attachments: 3 source=assignment xs#page1.tif source=assignment xs#page2.tif source=assignment xs#page3.tif	

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: **Jong-Soo PARK, Young-Jae LEE, Kyung-Ran HWANG, Shin-Kun RYI, Dong-Kook KIM, Tae-Hwan KIM, Chun-Boo LEE and Kyung-Sun YOO**, hereby sell and assign to **KOREA INSTITUTE OF ENERGY RESEARCH**, a corporation formed under the laws of The Republic of Korea, whose mailing address is 71-2, Jang-dong, Yuseong-gu, Daejeon 305-343, Republic of Korea, (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Multifunctional Exhaust Gas Purifying Filter, and Exhaust Gas Purifying Apparatus Using the Same** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of Aug. 21, 2012 (also known as United States Application No. 14/000,809 which is the U.S. national phase of International Application No. PCT/KR2011/009393, International Filing Date December 6, 2011), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

Xian Feng Shen
Reg. No. 69,162

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-

part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

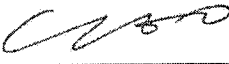
The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 26111** the power to insert in this assignment any further identification that 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.

The undersigned inventors hereby represent that he/she understands that the patent practitioners associated with **CUSTOMER NUMBER 26111** are the legal representatives of, and attorneys for, the assignee, and are NOT the legal representatives of, and attorneys for, the inventors.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: <u>Aug. 20, 2013</u>	Signature of Inventor: <u></u> Jong-Soo PARK
Date: <u>8. 20. 2013</u>	Signature of Inventor: <u>Young-Jae Lee</u> Young-Jae LEE
Date: <u>Aug. 20, 2013</u>	Signature of Inventor: <u>Kyung-Ran HWANG</u> Kyung-Ran HWANG
Date: <u>Aug. 20. 2013</u>	Signature of Inventor: <u>Shin-Kun RYI</u> Shin-Kun RYI
Date: <u>Aug. 20 2013</u>	Signature of Inventor: <u>Dong-Kook KIM</u> Dong-Kook KIM

Date: Aug. 20, 2013

Signature of Inventor: Tae Hwan Kim
Tae-Hwan KIM

Date: 8. 20, 2013

Signature of Inventor: Chun-Boo Lee
Chun-Boo LEE

Date: 8. 20, 2013

Signature of Inventor: Kyung-Sun Yoo
Kyung-Sun YOO

1733523_1