

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4815978

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ASSIGNEE ADDRESS previously recorded on Reel 039994 Frame 0337. Assignor(s) hereby confirms the ASSIGNEE ADDRESS IS JUNGWANG-DONG, 91, SOMANGGONGWON-RO SIHEUNG-SI, GYEONGGI-DO, KOREA, REPUBLIC OF.

## CONVEYING PARTY DATA

Name	Execution Date
HYUN-SIK HAN	09/21/2016
SEUNG CHUL NA	09/21/2016
EUN-SEOK KIM	09/21/2016
JOON-WOO KIM	09/21/2016

## RECEIVING PARTY DATA

<b>Name:</b>	HEESUNG CATALYSTS CORPORATION
<b>Street Address:</b>	JUNGWANG-DONG 91
<b>Internal Address:</b>	SOMANGGONG WON-RO SIHEUNG-SI
<b>City:</b>	GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	435-738

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15107299

## CORRESPONDENCE DATA

Fax Number: (678)420-9301

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Correspondent Name: E. JONAS JARVHOLM, J.D., PH.D.

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<b>ATTORNEY DOCKET NUMBER:</b>	08162.0027U1
<b>NAME OF SUBMITTER:</b>	E. JONAS JARVHOLM, J.D., PH.D.
<b>SIGNATURE:</b>	/E. Jonas Jarvholm, Reg. No. 69,289/

<b>DATE SIGNED:</b>	02/08/2018
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**Total Attachments: 8**

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- source=08162.0027u1 Assignment as recorded#page8.tif



**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

OCTOBER 13, 2016

PTAS

BALLARD SPAHR LLP  
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**504046333**

UNITED STATES PATENT AND TRADEMARK OFFICE  
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RECORDATION DATE: 10/12/2016

REEL/FRAME: 039994/0337  
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 08162.0027U1-

ASSIGNOR:

HAN, HYUN-SIK

DOC DATE: 09/21/2016

ASSIGNOR:

NA, SEUNG CHUL

DOC DATE: 09/21/2016

ASSIGNOR:

KIM, EUN-SEOK

DOC DATE: 09/21/2016

ASSIGNOR:

KIM, JOON-WOO

DOC DATE: 09/21/2016

ASSIGNEE:

HEESUNG CATALYSTS CORPORATION  
JUNGWANG-DONG, 91, SOMANGGONGWON-RO  
SIHEUNG-SI  
GYEONGGI-DO, KOREA, DEMOCRATIC  
PEOPLE'S REPUBLIC OF 429-848

APPLICATION NUMBER: 15107299

FILING DATE: 06/22/2016

PATENT NUMBER:

ISSUE DATE:

TITLE: EXHAUST GAS OXIDATION CATALYST FOR COMPRESSED NATURAL GAS  
COMBUSTION SYSTEM

ASSIGNMENT RECORDATION BRANCH  
PUBLIC RECORDS DIVISION

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4092994

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HYUN-SIK HAN	09/21/2016
SEUNG CHUL NA	09/21/2016
EUN-SEOK KIM	09/21/2016
JOON-WOO KIM	09/21/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HEESUNG CATALYSTS CORPORATION
<b>Street Address:</b>	JUNGWANG-DONG, 91, SOMANGGONGWON-RO SIHEUNG-SI
<b>City:</b>	GYEONGGI-DO
<b>State/Country:</b>	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF
<b>Postal Code:</b>	429-848
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15107299
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(678)420-9301
<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>	678-420-9300
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<b>ATTORNEY DOCKET NUMBER:</b>	08162.0027U1-
<b>NAME OF SUBMITTER:</b>	E. JONAS JARVHOLM
<b>SIGNATURE:</b>	/E. Jonas Jarvholm/
<b>DATE SIGNED:</b>	10/12/2016
<b>Total Attachments: 5</b>	
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PATENT

REEL: 045285 FRAME: 0868

**ASSIGNMENT  
(U.S. RIGHTS ONLY)**

WHEREAS, we, **Hyun-sik HAN** of (#05 Shindongarozanview), Seokchonhosu-ro 188 Songpa-gu, Seoul, 138-842, Korea; **Seung Chul NA** of Hogue-dong, Mokhyeon Gyeongnam Apartment #809-602, 57 Dongan-ro, Dongan-gu Anyang-si, Gyeonggi-do, 431-720, Korea; **Eun-seok KIM** of (Sa-dong, Pureum Maeul Jugong 5Danji Apartment), #504-501, 460 Gwangdeok 4-ro, Sangrok-gu Ansan-si, Gyeonggi-do, 426-743, Korea; and **Joon-Woo KIM** of (Sanbon-dong, Maehwa Apt.) #1401-101, 26 Gongnan-ro Gunpo-si, Gyeonggi-do, 435-738, Korea, have invented new and useful improvements in **"EXHAUST GAS OXIDATION CATALYST FOR COMPRESSED NATURAL GAS COMBUSTION SYSTEM"** for which a United States Patent Application was filed on June 22, 2016 and assigned Application No. 15/107,299; which is based on International Application No. PCT/KR2014/012382, filed on December 16, 2014, which claims priority to Korean Application No. 10-2013-0161979, filed December 24, 2013, and

WHEREAS, **HEESUNG CATALYSTS CORPORATION**, a corporation of Korea, whose principal address is Jungwang-dong, 91, Sornanggongwon-ro Siheung-si, Gyeonggi-do, 429-848, Korea, is desirous of acquiring the entire interest in the same;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, **Hyun-sik HAN, Seung Chul NA, Eun-seok KIM** and **Joon-Woo KIM**, hereby do sell, assign and transfer unto said **HEESUNG CATALYSTS CORPORATION**, the entire right, title and interest in and to said invention and application in the United States, including, without limitation, any Letters Patent of the United States which may issue thereon and any subsequent U.S. application claiming priority to the above-identified

application, reissue, reexamination, division, continuation-in-part, extension or continuation thereof; the same for HEESUNG CATALYSTS CORPORATION's legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment and sale not been made;

AND, we hereby bind ourselves, our heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid HEESUNG CATALYSTS CORPORATION, its legal representatives and assigns, to obtain and enforce proper protection for said invention in the United States.


IN WITNESS WHEREOF, I have executed this Assignment this 21 day of Sep., 2016.

Hyun-sik HAN (L.S.)  
Hyun-sik HAN

WITNESSETH:

1. [Signature] 2. \_\_\_\_\_  
Name: Bokhee Kim Name: \_\_\_\_\_  
Address: # 537-10a, 91, Seomun-gyongju-ro, Seheung-si, Gyeonggi-do, Korea Address: \_\_\_\_\_

IN WITNESS WHEREOF, I have executed this Assignment this 21 day of  
September, 2016.

  
..... (L.S.)  
Seung Chul NA

WITNESSETH:

1. ..... 2. ....

Name: Bukhee Kim..... Name: .....

Address: #107-106, 91, Seomanggyeong-ro, Address: .....

Shwongji, Gyeonggi-do, Korea......



IN WITNESS WHEREOF, I have executed this Assignment this 21 day of  
Sep., 2016.

Eun-seok Kim (L.S.)  
Eun-seok KIM

WITNESSETH:

1. [Signature] 2. \_\_\_\_\_  
Name: Bokhee Kim Name: \_\_\_\_\_  
Address: # 587-1Da, 91, Songgongwon-ro, Address: \_\_\_\_\_  
Siheung-si, Gyeonggi-do, Korea \_\_\_\_\_

IN WITNESS WHEREOF, I have executed this Assignment this 21 day of  
Sep., 2016.

Joon-Woo Kim (L.S.)  
Joon-Woo KIM

WITNESSETH:

1. [Signature] 2. \_\_\_\_\_

Name: Bokhee Kim Name: \_\_\_\_\_

Address: #107-1 Da, 91, Seonanggyeong-ro Address: \_\_\_\_\_  
Seongsi, Gyeonggi-do, Korea