

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4853054

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the THIRD APPLICANT'S ADDRESS previously recorded on Reel 044528 Frame 0772. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
MAN JU OH	11/10/2017
SANG SHIN LEE	11/10/2017
SO LA CHUNG	11/10/2017
JAE WOONG KIM	11/10/2017
SO YOON PARK	11/10/2017
JAE WOO PARK	11/10/2017
DU YOUL CHOI	11/10/2017

RECEIVING PARTY DATA

Name:	HYUNDAI MOTOR COMPANY
Street Address:	12 HEOLLEUNG-RO, SEOCHO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	06797
Name:	KIA MOTORS CORPORATION
Street Address:	12 HEOLLEUNG-RO, SEOCHO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	06797
Name:	DOOWON CLIMATE CONTROL CO., LTD.
Street Address:	43, YEONAMYULGEUM-RO, EUMBONG-MYEON
City:	ASAN-SI, CHUNGHEONGNAM-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	31413

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15824778

CORRESPONDENCE DATA**PATENT**

Fax Number:

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.

Phone: 202-756-8000**Email:** ipdocketmwe@mwe.com, wdcipptsclerks@mwe.com**Correspondent Name:** MCDERMOTT WILL & EMERY LLP**Address Line 1:** 500 NORTH CAPITOL STREET**Address Line 4:** WASHINGTON, D.C. 20001

ATTORNEY DOCKET NUMBER:	092346-0333
--------------------------------	-------------

NAME OF SUBMITTER:	DORIS BARNES
---------------------------	--------------

SIGNATURE:	/Doris Barnes/
-------------------	----------------

DATE SIGNED:	03/06/2018
---------------------	------------

Total Attachments: 5

source=092346-0333_assignment#page1.tif

source=092346-0333_assignment#page2.tif

source=092346-0333_assignment#page3.tif

source=092346-0333_assignment#page4.tif

source=092346-0333_assignment#page5.tif



United States Patent and Trademark Office

Home | Site Index | Search | Guides | Contacts | eBusiness | eBiz alerts | News | Help



Electronic Patent Assignment System

Confirmation Receipt

Your assignment has been received by the USPTO.
The coversheet of the assignment is displayed below:

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>MAN JU OH</td> <td>11/10/2017</td> </tr> <tr> <td>SANG SHIN LEE</td> <td>11/10/2017</td> </tr> <tr> <td>SO LA CHUNG</td> <td>11/10/2017</td> </tr> <tr> <td>JAE WOONG KIM</td> <td>11/10/2017</td> </tr> <tr> <td>SO YOON PARK</td> <td>11/10/2017</td> </tr> <tr> <td>JAE WOO PARK</td> <td>11/10/2017</td> </tr> <tr> <td>DU YOUL CHOI</td> <td>11/10/2017</td> </tr> </tbody> </table>		Name	Execution Date	MAN JU OH	11/10/2017	SANG SHIN LEE	11/10/2017	SO LA CHUNG	11/10/2017	JAE WOONG KIM	11/10/2017	SO YOON PARK	11/10/2017	JAE WOO PARK	11/10/2017	DU YOUL CHOI	11/10/2017
Name	Execution Date																
MAN JU OH	11/10/2017																
SANG SHIN LEE	11/10/2017																
SO LA CHUNG	11/10/2017																
JAE WOONG KIM	11/10/2017																
SO YOON PARK	11/10/2017																
JAE WOO PARK	11/10/2017																
DU YOUL CHOI	11/10/2017																
RECEIVING PARTY DATA																	
<table border="1"> <tr> <td>Name:</td> <td>HYUNDAI MOTOR COMPANY</td> </tr> <tr> <td>Street Address:</td> <td>12 HEOLLEUNG-RO, SEOCHO-GU</td> </tr> <tr> <td>City:</td> <td>SEOUL</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>06797</td> </tr> </table>		Name:	HYUNDAI MOTOR COMPANY	Street Address:	12 HEOLLEUNG-RO, SEOCHO-GU	City:	SEOUL	State/Country:	KOREA, REPUBLIC OF	Postal Code:	06797						
Name:	HYUNDAI MOTOR COMPANY																
Street Address:	12 HEOLLEUNG-RO, SEOCHO-GU																
City:	SEOUL																
State/Country:	KOREA, REPUBLIC OF																
Postal Code:	06797																
<table border="1"> <tr> <td>Name:</td> <td>KIA MOTORS CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>12 HEOLLEUNG-RO, SEOCHO-GU</td> </tr> <tr> <td>City:</td> <td>SEOUL</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	KIA MOTORS CORPORATION	Street Address:	12 HEOLLEUNG-RO, SEOCHO-GU	City:	SEOUL	State/Country:	KOREA, REPUBLIC OF								
Name:	KIA MOTORS CORPORATION																
Street Address:	12 HEOLLEUNG-RO, SEOCHO-GU																
City:	SEOUL																
State/Country:	KOREA, REPUBLIC OF																

Postal Code: 06797

Name:	DOOWON CLIMATE CONTROL CO., LTD.
Street Address:	43, YEONAMYULGEUM-RO, EUMBONG-MYEON
City:	ASAN-SI, CHUNGEHENG NAM-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	21413

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15824778

CORRESPONDENCE DATA

Fax Number:
 Phone: 202-756-8000
 Email: ipdocketmwe@mwe.com
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.
 Correspondent Name: MCDERMOTT WILL & EMERY LLP
 Address Line 1: THE MCDERMOTT BUILDING
 Address Line 2: 500 NORTH CAPITOL STREET, N.W.
 Address Line 4: WASHINGTON, D.C. 20001

ATTORNEY DOCKET NUMBER:	092346-0333
NAME OF SUBMITTER:	DORIS BARNES
Signature:	/Doris Barnes/
Date:	11/28/2017

Total Attachments: 3
 source=092346-0333_DEC_ASSIGN#page1.tif
 source=092346-0333_DEC_ASSIGN#page2.tif
 source=092346-0333_DEC_ASSIGN#page3.tif

RECEIPT INFORMATION

EPAS ID: PAT4707116
 Receipt Date: 11/28/2017

[Return to home page](#)

| [.HOME](#) | [INDEX](#) | [SEARCH](#) | [eBUSINESS](#) | [CONTACT US](#) | [PRIVACY STATEMENT](#)

COMBINED DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

I believe I am the original or an original joint inventor of a claimed invention in the application for which a patent is sought on the invention entitled:

COOLING WATER HEATING APPARATUS FOR ELECTRIC VEHICLES

which application is:

- attached, or
- United States application number or PCT international application number _____ filed on _____.

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

In the event that the filing date and/or application number are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request the registered practitioners of **McDermott Will & Emery LLP**, associated with the Customer Number **20277**, to insert above the filing date and/or application number of 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.

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby assign to

HYUNDAI MOTOR COMPANY

having an address at 12, Heolleung-ro, Seocho-gu, Seoul, REPUBLIC OF KOREA.

KIA MOTORS CORPORATION

having an address at 12, Heolleung-ro, Seocho-gu, Seoul, REPUBLIC OF KOREA. and

DOOWON CLIMATE CONTROL CO.,LTD


having an address at 43, Yeonamyulgeum-ro, Eumbong-myeon, Asan-si, Chungcheongnam-do 31413, Republic of Korea

(hereinafter designated as the Assignee), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in this document.

I hereby confirm any prior assignment to Assignee, and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by the undersigned had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

I hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

I hereby covenant that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment.

Legal name of first inventor OH, Man Ju	
Inventor's signature 	Date 11/18/10

Legal name of second inventor LEE, Sang Shin	
Inventor's signature Lee Sang Shin	Date 2011 11/10

Legal name of third inventor CHUNG, So La	
Inventor's signature Chung So La	Date '11 11/10

Legal name of fourth inventor KIM, Jae Woong	
Inventor's signature Kim Jae Woong	Date '11 11/10

Legal name of fifth inventor PARK, So Yoon	
Inventor's signature Park Park So Yoon	Date '11 11/10

Legal name of sixth inventor PARK, Jae Woo	
Inventor's signature Park Jae Woo	Date '11 11.10

Legal name of seventh inventor CHOI, Du Youl	
Inventor's signature 최 두 율	Date '11 11/10

Legal name of eighth inventor	
Inventor's signature	Date