505803949 12/04/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5850778

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DO HOON KIM	07/23/2019

RECEIVING PARTY DATA

Name:	HYUNDAI MOTOR COMPANY	
Street Address:	Address: 12, HEOLLEUNG-RO, SEOCHO-GU	
City:	SEOUL	
State/Country:	e/Country: KOREA, REPUBLIC OF	
Postal Code:	l Code: 06797	
	ne: KIA MOTORS CORPORATION	
Name:	KIA MOTORS CORPORATION	
Name: Street Address:	KIA MOTORS CORPORATION 12, HEOLLEUNG-RO, SEOCHO-GU	
Street Address:	12, HEOLLEUNG-RO, SEOCHO-GU	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16703591

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	HMCESN.002AUS
NAME OF SUBMITTER:	HOCHAN SONG
SIGNATURE:	/hochan.song/
DATE SIGNED:	12/04/2019

PATENT 505803949 REEL: 051181 FRAME: 0595

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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PATENT REEL: 051181 FRAME: 0596

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: HMCESN.002AUS Page 1 of 2

Title: METHOD AND APPARATUS FOR PROTECTING CONFIDENTIAL INFORMATION IN ELECTRIC

VEHICLE POWER TRANSFER SYSTEM

Inventor(s): Do Hoon KIM

Declaration

As the below-named inventor, I hereby declare that:

1.	This Declaration is directed to:	
	The attached application, where "	attached" means filed concurrently with, o
	U.S. Patent Application No.	filed on

- 2. The above-identified application was made or authorized to be made by me.
- 3. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- 4. 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 from Inventor

WHEREAS, the below-named inventor (hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries disclosed in the above-identified application (hereinafter the "Application").

AND WHEREAS, HYUNDAI MOTOR COMPANY with its principal place of business at 12, Heolleung-ro, Seocho-gu, Seoul 06797, Republic of Korea and KIA MOTORS CORPORATION with its principal place of business at 12, Heolleung-ro, Seocho-gu, Seoul 06797, Republic of Korea (collectively hereinafter referred to as the "ASSIGNEE"), desire to jointly acquire the entire right, title, and interest in and to the Application.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest in the Application and related application(s) filed or issued upon the Application (collectively "Patent Properties"), where "Patent Properties" include, but are not limited to:

- the Application;
- all provisional application(s) to which the Application claims priority;
- all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the Application, including, all divisional applications, continuation applications, and continuations-in-part applications, and reissue applications; and
- all Letters Patent of the United States which may be granted on the Application and the aforementioned nonprovisional applications, and all reissues and extensions thereof.

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned Patent Properties, and authorizes and requests the Commissioner of Patents of the United States to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

ASSIGNOR does hereby sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the

30244465 Version 2 – April 1, 2019

PATENT REEL: 051181 FRAME: 0597

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: HMCESN,002AUS

Tibe: METHOD AND APPARATUS FOR PROTECTING CONFIDENTIAL INFORMATION IN ELECTRIC

VEHICLE POWER TRANSFER SYSTEM

inventor(s): Do Hoon KIM

rights assigned hereby that may have accrued prior to the date of this assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of all Patent Properties;

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Patent Properties, and testify in any legal proceeding, assist in the preparation of any applications relating to the Patent Properties, sign/execute all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Patent Properties and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Patent Properties.

Authorization to Add Application Information

In case this document is signed without the filing date and/or the application number in the Declaration section, I authorize the registrants of Knobbe, Martens, Cison & Bear, LLP, Customer No. 20,995 to add the filing date and application number in the blanks in the Declaration section before filing this document with the United States Patent and Trademark Office.

Legal Name of inventor: Do Hoon KIM

Date: _July 23, 2019

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Version 2 -- April 1, 2019