504872775 04/17/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EUN WOO NA	04/06/2018

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	
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:	15955229

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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ATTORNEY DOCKET NUMBER:	048279-632001US
NAME OF SUBMITTER:	PETER F. CORLESS
SIGNATURE:	/Peter F. Corless/
DATE SIGNED:	04/17/2018

Total Attachments: 3

PATENT REEL: 045563 FRAME: 0849

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PATENT REEL: 045563 FRAME: 0850

ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT, made this 6 day of April , 2018, by
Eun Woo Na (hereinafter referred to as Assignor), residing at #407-307, 17, Haryul-ro, 46beongil, Jangan-gu, Suwon, Gyeonggi-Do, REPUBLIC OF KOREA 16323;

WHEREAS, Assignor has invented certain new and useful improvements in VEHICLE AND METHOD FOR CONTROLLING THE SAME, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

WHEREAS, Hyundai Motor Company and Kia Motors Corporation, having their principal places of business at 12, Heolleung-ro, Seocho-gu, Seoul, REPUBLIC OF KOREA 06797; and 12, Heolleung-ro, Seocho-gu, Seoul, REPUBLIC OF KOREA 06797, respectively (hereinafter referred to as Assignees), are desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of good and sufficient consideration, the receipt of which is hereby acknowledged. Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignees, their successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignees, for their own use and benefit and the use and benefit of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignees, their successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to

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Assignces under law or that have already been transferred to Assignces, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor hereby covenants and agrees to and with Assignees, their successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignees, their successors, legal representatives and assigns, whenever counsel of Assignees, or counsel of their successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor hereby requests the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignees, as Assignees of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignees, their successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which 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:

MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO, P.C.

All practitioners at Customer Number 100807

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AND Assignor acknowledges an obligation of assignment of this invention to Assignces at the time the invention was made.

Date: April. 06. 20/8 Signature:

Eun Woo Na

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