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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
	Name	Execution Date	
YOUNG-KYU OH		12/31/2019	
KEUM-JIN PARK		12/31/2019	
SE-GEUN KIM		12/31/2019	

CEIVING 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		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16738099

CORRESPONDENCE DATA

Fax Number:	(312)	321-4299		
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:	312-3	312-321-4200		
Email:	usassignments@brinksgilson.com, rpetitt@brinksgilson.com, amiller@brinksgilson.com			
Correspondent Name:	BRIN	KS GILSON & LIONE		
Address Line 1:	455 N CITYFRONT PLAZA DRIVE			
Address Line 2:	SUIT	E 3600		
Address Line 4:	CHIC	AGO, ILLINOIS 60611		
ATTORNEY DOCKET NUMBER:		15438-1111		
NAME OF SUBMITTER:		SEUNG-HYUN JANG		

SIGNATURE:	/Seung-Hyun Jang/			
DATE SIGNED:	04/30/2020			
Total Attachments: 2				
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ASSIGNMENT

Attorney Docket No.: 15438-1111 Client Ref.: FH19139US

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

ACTIVE PURGE SYSTEM AND ACTIVE PURGE METHOD

for which Assignor is about to make or has made United States or International application for patent

- (a) executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b) ____ executed on ____, ____; or
- (c) ________, and assigned Serial No. _______, or PCT International Application No. _______;
- (d) U.S. Patent No. ____, issued ____; and

WHEREAS, <u>Hyundai Motor Company</u>, a corporation organized and existing under the laws of Korea, having a place of business at 12, Heolleung-ro, Seocho-gu, Seoul 06797, Republic of Korea and <u>KIA Motors Corporation</u> of 12, Heolleung-ro, Seocho-gu, Seoul 06797, Republic of Korea, hereinafter referred to as the Assignees, are desirous of acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor(s) by these presents does sell, assign and transfer unto Assignees and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignees to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor(s) had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom;

Assignor(s) hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent 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 the Assignees without further or other compensation than that above set forth;

Assignor(s) hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

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PATENT REEL: 052542 FRAME: 0556

ASSIGNMENT

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Assignor(s) hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignees, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignees.

0B Yward 2019.12.31 Young-Kyu OH Date

2019.12.31 Oate Keum-Jin PARK4

12 2019.12.31

Se-Geun KIM

Date

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RECORDED: 04/30/2020