505659775 09/06/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5706580

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SOO YUN KIM	08/12/2019
JAE AM SEO	08/20/2019
DONG YOUL LEE	08/20/2019
WON HO SHIN	08/20/2019
HEE JUN LEE	08/20/2019

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:	16562800

CORRESPONDENCE DATA

Fax Number: (202)739-3001

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: 2027393000

Email: wapatents@morganlewis.com, angie.ellis@morganlewis.com

Correspondent Name: MORGAN, LEWIS & BOCKIUS LLP Address Line 1: 1111 PENNSYLVANIA AVENUE, NW

Address Line 4: WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER: 123222-5445

PATENT REEL: 050298 FRAME: 0465

505659775

NAME OF SUBMITTER:	HOSANG LEE				
SIGNATURE:	/Hosang Lee/				
DATE SIGNED:	09/06/2019				
Total Attachments: 4					
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source=Declaration-Assignment#page2.	tif				
source=Declaration-Assignment#page3.tif					
source=Declaration-Assignment#page4.tif					

PATENT REEL: 050298 FRAME: 0466

COMBINED DECLARATION (37 CFR 1.63) FOR U.S. PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT OF INVENTION

Title of Invention	APP	aratuš	AND	METHOD	of for	PROVIDING VEHICLE	SECURITY	STRATEGY
DECLARATION As the below named	and unc	dersigned	invent	or, I hereb	y deck	are that:		
This declaration is directed to:	\boxtimes	The atta	iched :	application	, or			
		United	States	application	ı or Po	T internationalfiled on	application nu	nber

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

I believe that I am the original inventor or an original joint inventor of a claimed invention in 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.

Note to Inventor: 37 C.F.R. § 1.63(c) states: A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56.

ASSIGNMENT

WHEREAS, I have made an invention described and/or claimed in the above-identified application; and

WHEREAS, Hyundai Motor Company, a corporation of the Republic of Korea, having a place of business at 12 Heolleung-ro, Seocho-gu, Seoul 06797, Republic of Korea, and KIA Motors Corporation, a corporation of the Republic of Korea, having a place of business at 12 Heolleung-ro, Seocho-gu, Seoul 06797, Republic of Korea(hereinafter referred to as "ASSIGNEE") desires to acquire the entire right, title, and interest in and to said invention in all countries throughout the world and the above-identified United States patent application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have assigned and do hereby assign to the ASSIGNEE, and its lawful successors and assigns, the entire right, title, and interest in and to said invention, the above-identified United States patent application and all divisions, continuations, and continuations-in-part of said application, and reissues, extensions, and renewals of Letters Patent granted thereon, and all corresponding patent applications filed in countries foreign to the United States ("foreign countries") and corresponding international patent applications, and all Letters Patents issuing on any such patent applications in the United States and foreign countries;

I hereby assign to the ASSIGNEE, and its lawful successors and assigns, the right to file patent applications in foreign countries on said invention in its own name and the right to claim priority to the

above-identified United States patent application under the terms of the International Convention and any other relevant treaties;

I hereby authorize and request the United States Patent and Trademark Office and officials in patent offices in foreign countries to issue any and all of said Letters Patent to the ASSIGNEE as the assignee of my entire right, title, and interest in and to the same, for the sole use and benefit of the ASSIGNEE, and its lawful successors and assigns, to the full end of the term for which said Letters Patent may be granted;

I hereby grant the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document;

I hereby covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment; and

Further, I hereby further covenant and agree that I will, without further consideration, communicate with the ASSIGNEE, and its lawful successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said ASSIGNEE, and its lawful successors or assigns, execute all divisional, continuation, continuation-in-part, and reissue applications, make all rightful oaths and generally do everything possible to aid the ASSIGNEE, and its lawful successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the ASSIGNEE, and its lawful successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hands.

NAME OF INVENTOR (Full Legal Name) <u>; KIM, Soo Yun</u>	~
Signature:	Date: 8.12.20/9
NAME OF INVENTOR (Full Legal Name): SEO, Jae Am.	ž
Signature:	Date:
NAME OF INVENTOR (Full Legal Name): LEE, Dong Youl	
Signature:	Date;
NAME OF INVENTOR (Full Legal Name) : SHIN, Won Ho	
Signature:	Date:
NAME OF INVENTOR (Full Legal Name): LEE, Hee Jun	· · · · · · · · · · · · · · · · · · ·
Signature:	Date:

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COMBINED DECLARATION (37 CFR 1.63) FOR U.S. PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT OF INVENTION

Title of Invention	APP	aratuš	AND	METHOI	OF FOR	PROVIDING VEHICLE	SECURITY	STRATEGY
DECLARATION As the below named	and un	dersigned	invent	or, I hereb	y decl	are that:		
This declaration is directed to:	X	The atta	nched	application	ı, or			
		United	States	application	n or P	CT internationalfiled on	application nu	mber

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

I believe that I am the original inventor or an original joint inventor of a claimed invention in 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.

Note to Inventor: 37 C.F.R. § 1.63(c) states: A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56.

ASSIGNMENT

WHEREAS, I have made an invention described and/or claimed in the above-identified application; and

WHEREAS, Hyundai Motor Company, a corporation of the Republic of Korea, having a place of business at 12 Heolleung-ro, Seocho-gu, Seoul 06797, Republic of Korea, and KIA Motors Corporation, a corporation of the Republic of Korea, having a place of business at 12 Heolleung-ro, Seocho-gu, Seoul 06797, Republic of Korea(hereinafter referred to as "ASSIGNEE") desires to acquire the entire right, title, and interest in and to said invention in all countries throughout the world and the above-identified United States patent application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have assigned and do hereby assign to the ASSIGNEE, and its lawful successors and assigns, the entire right, title, and interest in and to said invention, the above-identified United States patent application and all divisions, continuations, and continuations-in-part of said application, and reissues, extensions, and renewals of Letters Patent granted thereon, and all corresponding patent applications filed in countries foreign to the United States ("foreign countries") and corresponding international patent applications, and all Letters Patents issuing on any such patent applications in the United States and foreign countries;

I hereby assign to the ASSIGNEE, and its lawful successors and assigns, the right to file patent applications in foreign countries on said invention in its own name and the right to claim priority to the

above-identified United States patent application under the terms of the International Convention and any other relevant treaties:

I hereby authorize and request the United States Patent and Trademark Office and officials in patent offices in foreign countries to issue any and all of said Letters Patent to the ASSIGNEE as the assignee of my entire right, title, and interest in and to the same, for the sole use and benefit of the ASSIGNEE, and its lawful successors and assigns, to the full end of the term for which said Letters Patent may be granted:

I hereby grant the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document:

I hereby covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment; and

Further, I hereby further covenant and agree that I will, without further consideration, communicate with the ASSIGNEE, and its lawful successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said ASSIGNEE, and its lawful successors or assigns, execute all divisional, continuation, continuation-in-part, and reissue applications, make all rightful oaths and generally do everything possible to aid the ASSIGNEE, and its lawful successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the ASSIGNEE, and its lawful soccessors and assigns.

IN TESTIMONY WHEREOF, I have bereamto set my hands.

Signature:	<u> </u>	Date:
NAME OF IN	VENTOR (Full Legal Name) : <u>SEO, Jae Ani</u>	2005
Signature:	<u> </u>	Date: \(\frac{\frac{1}{2} \lambda_{2} \lambda_{3} \lambda_{4} \lambda_{4} \)
NAME OF IN	VENTOR (Full Legal Name): <u>LEE, Dong Youl</u>	
Signature:	<u>e, D. 19</u> You	Date: 8.30.30/7
NAME OF IN	VENTOR (Full Legal Name) : <u>SHIN, Won Ho</u>	
Signature:	Shorywasho	Date: <u>6,20,2019</u>
NAME OF IN	VENTOR (Full Legal Name) : <u>LEE, Hee Jun</u>	
Signature:	L22, Her Jun	Date: \$, 20 , 5-6/9.

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Morgan, Lewis & Bockius LLP