506045276 05/05/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6091990

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIN HUN LEE	04/17/2020
TAE GEUN KIM	04/17/2020
HYUN JU JI	04/16/2020
WOOK IL JANG	04/16/2020
OH TAK KWON	04/16/2020
HUN WOO PARK	04/16/2020
CHUL WAN PARK	04/16/2020

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:	16866938

CORRESPONDENCE DATA

Fax Number: (972)732-9218

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.

(972) 732-1001 Phone:

Email: docketing@slatermatsil.com

Correspondent Name: SLATER MATSIL, LLP 17950 PRESTON RD Address Line 1:

Address Line 2: **SUITE 1000**

REEL: 052573 FRAME: 0218 506045276

PATENT

Address Line A. DA	LLAC TEVAC 75050
Address Line 4: DA	LLAS, TEXAS 75252
ATTORNEY DOCKET NUMBER:	HYU-0446US01-BK
NAME OF SUBMITTER:	GINA MARTINEZ
SIGNATURE:	/Gina Martinez/
DATE SIGNED:	05/05/2020
Total Attachments: 14	
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source=HYU-0446US01-BK Assignment#page1.tif source=HYU-0446US01-BK Assignment#page2.tif source=HYU-0446US01-BK Assignment#page3.tif source=HYU-0446US01-BK Assignment#page4.tif source=HYU-0446US01-BK Assignment#page5.tif source=HYU-0446US01-BK Assignment#page6.tif source=HYU-0446US01-BK Assignment#page7.tif source=HYU-0446US01-BK Assignment#page8.tif source=HYU-0446US01-BK Assignment#page9.tif source=HYU-0446US01-BK Assignment#page10.tif source=HYU-0446US01-BK Assignment#page11.tif source=HYU-0446US01-BK Assignment#page12.tif source=HYU-0446US01-BK Assignment#page13.tif source=HYU-0446US01-BK Assignment#page14.tif

PATENT REEL: 052573 FRAME: 0219

As a below named inventor, I, Jin Hun Lee, residing at 702-1402, 11, Hyeonam-ro 125beon-gil, Suji-gu, Gyeonggi-do, Yongin-si, 16875, Republic of Korea, a citizen of the Republic of Korea, make the following declaration and assignment.

I declar	e that	this declaration is directed to:
	\boxtimes	The attached application, 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.

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

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. \$1.56.

All statements made of my own knowledge are true and all statements made on information and belief are believed to be true.

I hereby acknowledge that any willful false statement made in this declaration may jeopardize the validity of the application or any patent issuing thereon and is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby sell, assign, and transfer to **Hyundai Motor Company**, a corporation organized and existing under the laws of the Republic of Korea, having its principal place of business at 12, Heolleung-ro, Seocho-gu, Seoul, 06797, Republic of Korea, and **Kia Motors Corporation**, a corporation organized and existing under the laws of the Republic of Korea, having its principal place of business at 12, Heolleung-ro, Seocho-gu, Seoul, 06797, Republic of Korea, hereinafter "Assignee," its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in my patent application, and in and to the application and all non-provisional, divisional, continuation, continuation-in-part, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on

Page 1 of 14

I agree that Assignee may apply for and receive Letters Patent for the improvements in its own name, and that, when requested, without charge to but at the expense of the Assignee, their successors, assigns, and legal representatives to carry out in good faith the intent and purpose of this agreement, I will execute all non-provisional, divisional, continuation, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to the Assignee, its successors, assigns, and representatives, all facts known to me relating to the improvements and the history thereof; and generally do everything possible which the Assignee, its successors, assigns, or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for the improvements and for vesting title to the improvements and all applications for patents and all patents on the improvements, in the Assignee, its successors, assigns, and legal representatives.

I covenant with the Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

1 John	10 . 4. 2020
Jin Hun Lee	Date

As a below named inventor, I, Tae Geun Kim, residing at 101-1205, 7, Dongil-ro 193-gil, Nowon-gu, Seoul, 01852, Republic of Korea, a citizen of the Republic of Korea, make the following declaration and assignment.

×	The attached application, or
	United States application number or PCF international application number
	filed on
The above-io	lentified application was made or authorized to be made by me.
I believe tha	t I am the original inventor or an original joint inventor of a claimed invention in the
application.	

I have reviewed and understand the contents of the application, including the claims.

I declare that this declaration is directed to:

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. \$1.56.

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Page 3 of 14

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11 min	17. April , 2020	
Tae Geun Kim	Date	

As a below named inventor, I, Hyun Ju Ji, residing at C-1101, 1212, Olympic-ro, Songpa-gu, Secul, 05553, Republic of Korea, a citizen of the Republic of Korea, make the following declaration and assignment.

I declare that this declaration is directed to:

	22	The attached application, or
		United States application number or PCT international application number
		filed on
The	above-id	entified application was made or authorized to be made by me.
	ieve that	I am the original inventor or an original joint inventor of a claimed invention in the
Thav	e review	ed and understand the contents of the application, including the claims.

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Page 5 of 14

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KymhiJi	16.04.2020
Hyun Ju Ji	Date

As a below named inventor, I, Wook II Jang, residing at 305, 7, Mabuk-ro 105heon-gil, Giheunggu, Gyeonggi-do, Yongin-si, 16910, Republic of Korea, a citizen of the Republic of Korea, make the following declaration and assignment.

I declare that	t this declaration is directed to:
88	The attached application, 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.

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

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56.

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Page 7 of 14

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Jang Wook IL Wook Il Jang

04 /6 2020 Date

As a below named inventor, I, Oh Tak Kwon, residing at 205, 7, Mabuk-ro 105beon-gil, Giheung-gu, Gyeonggi-do, Yongin-si, 16910, Republic of Korea, a citizen of the Republic of Korea, make the following declaration and assignment.

I decla	re that	this declaration is directed to:
		The attached application, or
		United States application number or PCT international application number
		filed on
The ab	xove-id	entified 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.

Thave reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56.

All statements made of my own knowledge are true and all statements made on information and belief are believed to be true.

I hereby acknowledge that any willful false statement made in this declaration may jeopardize the validity of the application or any patent issuing thereon and is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

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Page 9 of 14

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I covenant with the Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

Ohtak Kwon	2020.04.16
***************************************	Bertin
Oh Tak Kwan	LARE

Page 10 of 14

As a below named inventor, I, Hun Woo Park, residing at 724-2403, 22, Migeum-ro 57beon-gil, Gyeonggi-do, Namyangju-si, 12253, Republic of Korea, a citizen of the Republic of Korea, make the following declaration and assignment.

	NAME AND ADDRESS OF THE PROPERTY OF THE PROPER
22	The attached application, or
	United States application number or PCT international application number
	filed on
The above-	dentified 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

I have reviewed and understand the contents of the application, including the claims.

I declare that this declaration is directed to:

application.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56.

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I hereby sell, assign, and transfer to **Hyundai Motor Company**, a corporation organized and existing under the laws of the Republic of Korea, having its principal place of business at 12, Heolleung-ro, Seocho-gu, Seoul, 06797, Republic of Korea, and **Kia Motors Corporation**, a corporation organized and existing under the laws of the Republic of Korea, having its principal place of business at 12, Heolleung-ro, Seocho-gu, Seoul, 06797, Republic of Korea, hereinafter "Assignee," its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in my patent application, and in and to the application and all non-provisional, divisional, continuation, continuation-in-part, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on

Page 11 of 14

I agree that Assignee may apply for and receive Letters Patent for the improvements in its own name, and that, when requested, without charge to but at the expense of the Assignee, their successors, assigns, and legal representatives to carry out in good faith the intent and purpose of this agreement, I will execute all non-provisional, divisional, continuation, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to the Assignee, its successors, assigns, and representatives, all facts known to me relating to the improvements and the history thereof; and generally do everything possible which the Assignee, its successors, assigns, or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for the improvements and for vesting title to the improvements and all applications for patents and all patents on the improvements, in the Assignee, its successors, assigns, and legal representatives.

I covenant with the Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

Hun Woo Park	04-16-2020
Hun Woo Park	Date

As a below named inventor, I, Chul Wan Park, residing at B-203, 37, Dalmaji-ro, Suji-gu, Gyeonggi-do, Yongin-si, 16873, Republic of Korea, a citizen of the Republic of Korea, make the following declaration and assignment.

I declare that	t this declaration is directed to:
Ø	The attached application, or
	United States application number or PCT international application number
	Sled on

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

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Page 13 of 14

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d the	20.4/16	
Chul Wan Park	Date	

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