# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7232021

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
BEOM SU KIM	12/08/2021
HYUN SEOP LIM	12/08/2021
SANG IN PARK	12/29/2021
KI HYEON BAE	12/29/2021
KYU JUNG KIM	12/08/2021
DONG HYUN LEE	12/08/2021
JOO WON LEE	12/08/2021
HYO JOONG KIM	12/08/2021
DONG JIN HYUN	12/08/2021
JU YOUNG YOON	12/08/2021

### **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 CORPORATION
Name: Street Address:	KIA CORPORATION 12, HEOLLEUNG-RO, SEOCHO-GU
Street Address:	12, HEOLLEUNG-RO, SEOCHO-GU

# **PROPERTY NUMBERS Total: 1**

Property Type	Number		
Application Number:	17698211		

# **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.

**Phone:** (972) 732-1001

PATENT
REEL: 059305 FRAME: 0131

507185174

**Email:** docketing@slatermatsil.com

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

Address Line 2: SUITE 1000

Address Line 4: DALLAS, TEXAS 75252

ATTORNEY DOCKET NUMBER:	HYU-0885US01-BK
NAME OF SUBMITTER:	GINA MARTINEZ
SIGNATURE:	/Gina Martinez/
DATE SIGNED:	03/18/2022

### **Total Attachments: 20**

source=HYU-0885US01-BK Declaration Assignment#page1.tif source=HYU-0885US01-BK Declaration Assignment#page2.tif source=HYU-0885US01-BK\_Declaration\_Assignment#page3.tif source=HYU-0885US01-BK Declaration Assignment#page4.tif source=HYU-0885US01-BK Declaration Assignment#page5.tif source=HYU-0885US01-BK Declaration Assignment#page6.tif source=HYU-0885US01-BK Declaration Assignment#page7.tif source=HYU-0885US01-BK Declaration Assignment#page8.tif source=HYU-0885US01-BK\_Declaration\_Assignment#page9.tif source=HYU-0885US01-BK Declaration Assignment#page10.tif source=HYU-0885US01-BK Declaration Assignment#page11.tif source=HYU-0885US01-BK\_Declaration\_Assignment#page12.tif source=HYU-0885US01-BK\_Declaration\_Assignment#page13.tif source=HYU-0885US01-BK Declaration Assignment#page14.tif source=HYU-0885US01-BK Declaration Assignment#page15.tif source=HYU-0885US01-BK Declaration Assignment#page16.tif source=HYU-0885US01-BK Declaration Assignment#page17.tif source=HYU-0885US01-BK Declaration Assignment#page18.tif source=HYU-0885US01-BK Declaration Assignment#page19.tif source=HYU-0885US01-BK Declaration Assignment#page20.tif

> PATENT REEL: 059305 FRAME: 0132

As a below named inventor, I, Beom Su Kim, residing at 211-801, 35, Seongbok 1-ro, Suji-gu, Gyeonggi-do, Yongin-si, 16856, Republic of Korea, a citizen of the Republic of Korea, make the following declaration and assignment.

I declare that this declaration is directed to:

	X	The attached applica	ion, or			
		United States applica	tion number or	PCT internatio	nal application nur	nber
		filed c	m	g <b>e</b> t 0		
The ab	เกระจงก	entified application was	made or sulfior	ized to be mad	le by me	
Tares cers.	ore m		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		**************************************	
I believ	e that	I am the original inver	ntor or an origin	al joint invent	or of a claimed inv	ention in the
applica	tion.					
Thave	reviewe	ed and understand the	contents of the a	pplication, inc	luding 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 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 "Assignce," 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 20

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.

Beom Sy Kim	2021/2.08	8 8
Beom Su Kim	Date	** ;

As a below named inventor, I, Hyun Seop Lim, residing at 119-2204, 135, Gwanak-daero, Dongan-gu, Gyeonggi-do, Anyang-si, 13922, Republic of Korca, a citizen of the Republic of Korca, make the following declaration and assignment.

X	The attached application, or
, T	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 th	at I am the original inventor or an original joint inventor of a claimed invention in t
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.

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 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 3 of 20

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.

Hur Seep Cira Hyun Seep Lim

2021, 12.08

Date

As a below named inventor, I, Sang In Park, residing at 214-701, 20, Jangan-ro 359beon-gil, Jangan-gu, Gyeonggi-do, Suwon-si, 16343, Republic of Korea, a citizen of the Republic of Korea, make the following declaration and assignment.

I declare that this declaration is directed to:
□ 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. $\S 1001$ by
fine or imprisonment of not more than five (5) years, or both.
I hereby sell, assign, and transfer to <b>Hyundai Motor Company</b> , 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 <b>Kia Corporation</b> , 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

Page 5 of 20

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

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.

Sang In Park

Date

9-17-17-1

As a below named inventor, I, Ki Hyeon Bae, residing at 1002-1102, 192, Dongtandaerosibeom-gil, Gyeonggi-do, Hwaseong-si, 18476, Republic of Korea, a citizen of the Republic of Korea, make the following declaration and assignment.

$\boxtimes$	The attached application, or
	United States application number or PCT international application number
	filed on

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 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 7 of 20

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.

K: hyeon Bue 2021. 12.29

Ki Hyeon Bae Date

As a below named inventor, I, Kyu Jung Kim, residing at 501-2103, 16, Dangsan-ro 42-gil, Yeongdeungpo-gu, Seoul, 07216, Republic of Korea, a citizen of the Republic of Korea, make the following declaration and assignment.

I declare that this declaration is directed to:

	$\boxtimes$	The attached application, or
		United States application number or PCF international application number
		filed on
The ab	ove-ide	ntified application was made or authorized to be made by me.
I belie		I am the original inventor or an original joint inventor of a claimed invention in th
I have	reviewe	d and understand the contents of the application, including the claims.
		the duty to disclose to the U.S. Patent and Trademark Office all information known sterial to patentability as defined in 37 C.F.R. §1.56.
All sta	tements	made of my own knowledge are true and all statements made on information and
belief a	are belie	ved to be true.
I herel	y ackno	wledge that any willful false statement made in this declaration may jeopardize the
		application or any patent issuing thereon and is punishable under 18 U.S.C. §1001 by nament of not more than five (5) years, or both.
	71	ssign, and transfer to <b>Hyundai Motor Company</b> , a corporation organized and
Heolle	ung-ro,	the laws of the Republic of Korea, having its principal place of business at 12, Seocho-gu, Seoul, 06797, Republic of Korea, and <b>Kia Corporation</b> , a corporation existing under the laws of the Republic of Korea, having its principal place of
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Page 9 of 20

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

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.

Bu Jung Com

2021, 12.08

Date

As a below named inventor, I, Dong Hyun Lee, residing at 102-407, 23, Bugokbokjigwan-gil, Gyeonggi-do, Uiwang-si, 16084, Republic of Korea, a citizen of the Republic of Korea, make the following declaration and assignment.

I declare that this declaration is directed to:

	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 the application	at I am the original inventor or an original joint inventor of a claimed invention in the
I have revi	ewed and understand the contents of the application, including the claims.
	e of the duty to disclose to the U.S. Patent and Trademark Office all information known material to patentability as defined in 37 C.F.R. §1.56.
	ents made of my own knowledge are true and all statements made on information and elieved to be true.
validity of t	knowledge that any willful false statement made in this declaration may jeopardize the he application or any patent issuing thereon and is punishable under 18 U.S.C. §1001 by risonment of not more than five (5) years, or both.
min or mib	regument of the more men has (9) lests, or pens.

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 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-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 20

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.

Dong Hyun Lee Date

As a below named inventor, I, Joo Won Lee, residing at 201-1101, 43, Maegok-ro, Gwonseon-gu, Gyeonggi-do, Suwon-si, 16397, Republic of Korea, a citizen of the Republic of Korea, make the following declaration and assignment.

i deciare u	nar.	this declaration is directed to:	
×		The attached application, or	
		United States application number or PCT international application number	r
		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 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 13 of 20

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.

Joo Won Lee	20)1 12,08	
Joo Won Lee	Date	

As a below named inventor, I, Hyo Joong Kim, residing at 112-1501, 1410, Deogyeong-daero, Yeongtong-gu, Gyeonggi-do, Suwon-si, 16684, Republic of Korea, a citizen of the Republic of Korea, make the following declaration and assignment.

I declare that this declaration is directed to:

	$\bowtie$	The attached application, or	
		United States application number or PCT international application num	ber
		filed on	
The ab	ove-id	lentified application was made or authorized to be made by me.	
I belie		t I am the original inventor or an original joint inventor of a claimed inve	ntion in th
Thave	review	ved and understand the contents of the application, including the claims.	
I am a	ware c	of the duty to disclose to the U.S. Patent and Trademark Office all informa	ation know
to me t	to be n	naterial to patentability as defined in 37 C.F.R. §1.56.	
		ts made of my own knowledge are true and all statements made on infor leved to be true.	mation and
validity	y of the	nowledge that any willful false statement made in this declaration may jeop e application or any patent issuing thereon and is punishable under 18 U.S. sonment of not more than five (5) years, or both.	
I hereb	y sell,	assign, and transfer to Hyundai Motor Company, a corporation organ	ized and

existing under the laws of the Republic of Korea, having its principal place of business at 12,

organized and existing under the laws of the Republic of Korea, having its principal place of

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

Heolleung-ro, Seocho-gu, Seoul, 06797, Republic of Korea, and Kia Corporation, a corporation

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

Page 15 of 20

**PATENT** 

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.

The state of the s		
MAR CARROL R.S.	202/ 75 00	
	***	
Hyo Ioono Kim	19ase	

As a below named inventor, I, Dong Jin Hyun, residing at 118-3104, 24, Imok-ro, Jangan-gu, Gyeonggi-do, Suwon-si, 16336, Republic of Korea, a citizen of the Republic of Korea, make the following declaration and assignment.

I declare that this declaration is directed to:

The attached application, or

to me to be material to patentability as defined in 37 C.F.R. §1.56.

 $\boxtimes$ 

0000		
E	United States application number or PCF international applic	ation number
	filed on	
The above	e-identified application was made or authorized to be made by me.	
I helieve t	that I am the original inventor or an original joint inventor of a cl	aimed invention in the
		Anna Anna Anna Anna Anna Anna Anna Anna
applicatio		
I have rev	riewed and understand the contents of the application, including the	eclaims.
I am awai	re of the duty to disclose to the U.S. Patent and Trademark Office	all information known

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 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

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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.

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As a below named inventor, I, Ju Young Yoon, residing at 102-1403, 24, Imok-ro, Jangan-gu, Gyeonggi-do, Suwon-si, 16336, Republic of Korea, a citizen of the Republic of Korea, make the following declaration and assignment.

I declare that this declaration is directed to:

Ø	The attached application, or	
	United States application number or PCT international application	number
	filed on	
The above-ide	entified application was made or authorized to be made by me.	*
I believe that application.	I am the original inventor or an original joint inventor of a claimed	invention in the
I have review	ed and understand the contents of the application, including the claim	IS.
	f the duty to disclose to the U.S. Patent and Trademark Office all inf naterial to patentability as defined in 37 C.F.R. §1.56.	ormation know
	s made of my own knowledge are true and all statements made on eved to be true.	information and
validity of the	owledge that any willful false statement made in this declaration may application or any patent issuing thereon and is punishable under 18 conment of not more than five (5) years, or both.	78 7.1
existing unde	assign, and transfer to <b>Hyundai Motor Company</b> , a corporation or the laws of the Republic of Korea, having its principal place of busing	ess at 12,

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organized and existing under the laws of the Republic of Korea, having its principal place of

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

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

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.

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