506828470 08/20/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6875290

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAE JUN HA	08/18/2021
GU MIN JEONG	08/18/2021
HYUN JUNG OH	08/18/2021
SEUNG HYEON LEE	08/18/2021

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
Street Address:	12, HEOLLEUNG-RO, SEOCHO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	06797
Name:	KOOKMIN UNIVERISTY INDUSTRY ACADEMY COOPORATION FOUNDATION
Street Address:	KOOKMIN UNIVERSITY , 77-JEONGNEUNG-RO,
Internal Address:	SEONGBUK-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	02707

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17407595

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.

PATENT 506828470 REEL: 057240 FRAME: 0270

Phone: (972) 732-1001

Email: docketing@slatermatsil.com

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

Address Line 2: SUITE 1000

Address Line 4: DALLAS, TEXAS 75252

ATTORNEY DOCKET NUMBER:	HYU-0728US01-VR
NAME OF SUBMITTER:	GINA MARTINEZ
SIGNATURE:	/Gina Martinez/
DATE SIGNED:	08/20/2021

Total Attachments: 8

source=HYU-0728US01-VR_Declaration_Assignment#page1.tif source=HYU-0728US01-VR_Declaration_Assignment#page2.tif source=HYU-0728US01-VR_Declaration_Assignment#page3.tif source=HYU-0728US01-VR_Declaration_Assignment#page4.tif source=HYU-0728US01-VR_Declaration_Assignment#page5.tif source=HYU-0728US01-VR_Declaration_Assignment#page6.tif source=HYU-0728US01-VR_Declaration_Assignment#page7.tif source=HYU-0728US01-VR_Declaration_Assignment#page8.tif

PATENT REEL: 057240 FRAME: 0271

As a below named inventor, I, Jae Jun Ha, residing at 55, Dongtannaru-ro, Gyeonggi-do, Hwaseong-si, 18442, 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:
\boxtimes	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.
I believe that application.	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 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, **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, and **Kookmin University Industry Academy Cooperation Foundation**, a corporation organized and existing under the laws of the Republic of Korea, having its principal place of business at Kookmin University, 77 Jeongneung-ro, Seongbuk-gu, Seoul, 02707, 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

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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.

计 叫气

Lag Iun Ha

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Page 2 of 8

As a below named inventor, I, Gu Min Jeong, residing at 501-2009, 30 Seocho-daero 74-gil, Seocho-gu, Seoul, 06622, 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 PCT international application number
	filed on
The above-ide	ntified 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 reviewe	ed 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 aterial to patentability as defined in 37 C.F.R. §1.56.
	s made of my own knowledge are true and all statements made on information and eved to be true.
validity of the	owledge 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 comment of not more than five (5) years, or both.
existing under Heolleung-ro- organized and	assign, and transfer to Hyundai Motor Company , a corporation organized and the laws of the Republic of Korea, having its principal place of business at 12, Seocho-gu, Seoul, 06797, Republic of Korea, Kia Corporation , a corporation existing under the laws of the Republic of Korea, having its principal place of Heolleung-ro, Seocho-gu, Seoul, 06797, Republic of Korea, and Kookmin
	ndustry Academy Cooperation Foundation, a corporation organized and
_	the laws of the Republic of Korea, having its principal place of business at Kookmin
0	Jeongneung-ro, Seongbuk-gu, Seoul, 02707, Republic of Korea hereinafter

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"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

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Gu Min Jeong

9. (8.202-(

As a below named inventor, I, Hyun Jung Oh, residing at 308, 8, Jeongneung-ro 6ga-gil, Seongbuk-gu, Seoul, 02812, 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 PCT international application number
	filed on
The above-id	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	red and understand the contents of the application, including the claims.
	of the duty to disclose to the U.S. Patent and Trademark Office all information known 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 information and leved to be true.
validity of the	nowledge that any willful false statement made in this declaration may jeopardize the eapplication or any patent issuing thereon and is punishable under 18 U.S.C. §1001 by sonment of not more than five (5) years, or both.
existing under Heolleung-ro	assign, and transfer to Hyundai Motor Company , a corporation organized and er the laws of the Republic of Korea, having its principal place of business at 12, o, Seocho-gu, Seoul, 06797, Republic of Korea, Kia Corporation , a corporation d existing under the laws of the Republic of Korea, having its principal place of
business at 12	2, Heolleung-ro, Seocho-gu, Seoul, 06797, Republic of Korea, and Kookmin
University	Industry Academy Cooperation Foundation, a corporation organized and
existing unde	er the laws of the Republic of Korea, having its principal place of business at Kookmin
University, 7	7 Jeongneung-ro, Seongbuk-gu, Seoul, 02707, Republic of Korea hereinafter
"Assignee," it	s successors, assigns and legal representatives, the entire right, title and interest in

Page 5 of 8

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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.

Q de la companya de l	8.18,2021	
Hyun Jung Oh		

As a below named inventor, I, Seung Hyeon Lee, residing at 301, 23, World Cup-ro 10-gil, Mapogu, Seoul, 04004, 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 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 claims.
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	s made of my own knowledge are true and all statements made on information and eved to be true.
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existing unde Heolleung-ro	assign, and transfer to Hyundai Motor Company , a corporation organized and r the laws of the Republic of Korea, having its principal place of business at 12, seocho-gu, Seoul, 06797, Republic of Korea, Kia Corporation , a corporation dexisting 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 Kookmin
University 1	Industry Academy Cooperation Foundation, a corporation organized and
existing unde	r the laws of the Republic of Korea, having its principal place of business at Kookmin
University, 77	7 Jeongneung-ro, Seongbuk-gu, Seoul, 02707, Republic of Korea hereinafter
"Assignee," its	s successors, assigns and legal representatives, the entire right, title and interest in

Page 7 of 8

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PATENT REEL: 057240 FRAME: 0278

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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.

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 8 | 18 | 2021

 Seung Hyeon Lee
 Date

RECORDED: 08/20/2021