

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT7971696

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
JE-YEON KIM	04/04/2023
JANG-HOON KIM	04/04/2023
JAE-YUN LEE	04/04/2023
DONG-HEE MA	04/04/2023
MIN-HYOUNG AHN	04/04/2023

**RECEIVING PARTY DATA**

<b>Name:</b>	HYUNDAI MOTOR COMPANY
<b>Street Address:</b>	12 HEOLLEUNG-RO, SEOCHO-GU
<b>City:</b>	SEOUL
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	06797
<b>Name:</b>	KIA CORPORATION
<b>Street Address:</b>	12 HEOLLEUNG-RO, SEOCHO-GU
<b>City:</b>	SEOUL
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	06797

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	18323111

**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

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

<b>ATTORNEY DOCKET NUMBER:</b>	HYU-1378US01-HA
<b>NAME OF SUBMITTER:</b>	CANDICE CASTRO
<b>SIGNATURE:</b>	/Candice Castro/
<b>DATE SIGNED:</b>	05/24/2023
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 10**

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### DECLARATION AND ASSIGNMENT

As a below named inventor, I, Je-Yeon Kim, residing at 3-102, 9 Omok-ro 15-gil, Yangcheon-gu, Seoul, 07935, 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. §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

any of the improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the improvements.

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.

Je Yeon Kim  
Je-Yeon Kim

April 4, 2023  
Date

**DECLARATION AND ASSIGNMENT**

As a below named inventor, I, Jang-Hoon Kim, residing at 1620-1401, 19 Dongtangambaesan-ro, Gyeonggi-do, Hwaseong-si, 18480, 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.

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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.

Jang Hoon Kim  
Jang-Hoon Kim

April 4, 2023  
Date

**DECLARATION AND ASSIGNMENT**

As a below named inventor, I, Jae-Yun Lee, residing at 104-1806, 81, Pyeongsanjungang-ro, Gyeongsangnam-do, Yangsan-si, 50547, 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.

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### DECLARATION AND ASSIGNMENT

As a below named inventor, I, Dong-Hee Ma, residing at 108-1205, 11, Wau-ro 34beon-gil, Bongdam-eup, Gyeonggi-do, Hwaseong-si, 18322, 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. §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

any of the improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the improvements.

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-Hee Ma  
Dong-Hee Ma

April 4, 2023  
Date

**DECLARATION AND ASSIGNMENT**

As a below named inventor, I, Min-Hyoung Ahn, residing at 912-1604, 73 Geumgok-ro 140beon-gil, Gwonseon-gu, Gyeonggi-do, Suwon-si, 16387, 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.

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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 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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Min-Hyoung Ahn  
Min-Hyoung Ahn

April 4, 2023  
Date