

| |
|--------------------------------------|
| PATENT ASSIGNMENT COVER SHEET |
|--------------------------------------|

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7354322

| | |
|------------------------------|----------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| SANG HOON SHIN | 03/24/2022 |
| HOO SANG LEE | 03/21/2022 |
| JONG HYUN CHOI | 03/21/2022 |
| DAE WOO PARK | 03/21/2022 |
| YOUN TAK KIM | 03/21/2022 |
| NAM I JO | 03/21/2022 |

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: | ALPS ELECTRIC KOREA CO., LTD. |
| Street Address: | 33, HANAMSANDAN 5BEON-RO, GWANGSAN-GU |
| City: | GWANGJU |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 62217 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17826558 |

CORRESPONDENCE DATA

Fax Number: (415)442-1001

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

Phone: 4154421724
Email: jere.valles@morganlewis.com
Correspondent Name: JERE VALLES/MORGAN, LEWIS & BOCKIUS LLP (SF)
Address Line 1: ONE MARKET, SPEAR STREET TOWER
Address Line 4: SAN FRANCISCO, CALIFORNIA 94105

ATTORNEY DOCKET NUMBER: 100607-5434-US

NAME OF SUBMITTER: JERE VALLES

SIGNATURE: /Jere Valles/

DATE SIGNED: 05/27/2022

Total Attachments: 4

source=100607_5434_US_ASSIGNMENT#page1.tif

source=100607_5434_US_ASSIGNMENT#page2.tif

source=100607_5434_US_ASSIGNMENT#page3.tif

source=100607_5434_US_ASSIGNMENT#page4.tif

**ASSIGNMENT
(Joint Inventors)**

WHEREAS, the undersigned, (1) **SHIN, Sang Hoon**, resident of 103-304, 70, Yeokgoldong-ro, Namyang-eup, Hwaseong-si, Gyeonggi-do 18271, Republic of Korea, (2) **LEE, Hoo Sang**, resident of 60, Ilgoktaekji-ro, Buk-gu, Gwangju 61038, Republic of Korea, (3) **CHOI, Jong Hyun**, resident of 33, Sinchang-ro 71beon-gil, Gwangsan-gu, Gwangju 62250, Republic of Korea, (4) **PARK, Dae Woo**, resident of 284-16, Daenam-daero, Nam-gu, Gwangju 61655, Republic of Korea, (5) **KIM, Youn Tak**, resident of 2, Yongsan 1-gil, Dong-gu, Gwangju 61508, Republic of Korea, and (6) **JO, Nam I**, resident of 306, Jangsin-ro, Gwangsan-gu, Gwangju 62287, Republic of Korea (hereinafter termed "Inventors"), respectively, have invented certain new and useful improvements in

SWITCH APPARATUS

and executed therefore an application for Letters Patent of the United States and

- having an oath or declaration executed on even date herewith.
 bearing U.S. Patent Application No. _____ and filed on _____.

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, **Kia Corporation**, a corporation of the Republic of Korea, having a place of business at 12, Heolleung-ro, Seocho-gu, Seoul 06797, Republic of Korea, and **ALPS ELECTRIC KOREA CO., LTD.**, a corporation of the Republic of Korea, having a place of business at 33, **Hanamsandan 5beon-ro, Gwangsan-gu, Gwangju 62217, Republic of Korea** (hereinafter termed "Assignee(s)"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventors do hereby jointly and severally covenant and agree to cooperate with said Assignee

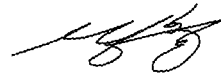
to enable said Assignee to enjoy to the fullest extent the right title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors do hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed and delivered this instrument to said Assignee as follows:

(1) **SHIN, Sang Hoon**



Date: 2022.03.24

State of _____)
County of _____) SS.

On _____, before me, _____, Notary Public, personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.


Notary Public

PATENT

Application No. _____
Attorney Docket No. 100607-5434

(2) **LEE, Hoo Sang**

Date: 2022.3.21



State of _____)
County of _____) SS.

On _____ before me, _____, Notary Public, personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary Public

(3) **CHOI, Jong Hyun**

Date: 2022.3.21



State of _____)
County of _____) SS.


On _____ before me, _____, Notary Public, personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary Public

(4) **PARK, Dae Woo**

Date: 2022.3.21



State of _____)
County of _____) SS.

On _____ before me, _____, Notary Public, personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.


Notary Public

PATENT

Application No. _____
Attorney Docket No. 100607-5434

(5) **KIM, Youn Tak**

Date: 2022. 3. 21



State of _____)
County of _____) SS.P

On _____ before me, _____, Notary Public, personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary Public

(6) **JO, Nam I**

Date: 2022. 3. 21



State of _____)
County of _____) SS.

On _____ before me, _____, Notary Public, personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary Public