

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Heungseok LEE</td><td>10/13/2011</td></tr><tr><td>Jaemin JIN</td><td>10/17/2011</td></tr><tr><td>Sukil OH</td><td>10/13/2011</td></tr><tr><td>Dongchul LEE</td><td>10/17/2011</td></tr><tr><td>Insoo JUNG</td><td>10/17/2011</td></tr></tbody></table>	Name	Execution Date	Heungseok LEE	10/13/2011	Jaemin JIN	10/17/2011	Sukil OH	10/13/2011	Dongchul LEE	10/17/2011	Insoo JUNG	10/17/2011	
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Insoo JUNG	10/17/2011												
RECEIVING PARTY DATA													
Name:	HYUNDAI MOTOR COMPANY												
Street Address:	231, Yangae-Dong, Seocho-Ku												
City:	Seoul												
State/Country:	REPUBLIC OF KOREA												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13284468</td></tr></tbody></table>	Property Type	Number	Application Number:	13284468									
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CORRESPONDENCE DATA													
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	Jere Valles/Morgan, Lewis & Bockius LLP												
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Address Line 4:	San Francisco, CALIFORNIA 94105												
ATTORNEY DOCKET NUMBER:	060945-5380-US												
NAME OF SUBMITTER:	Jere Valles												
Total Attachments: 4 source=060945_5380_US_ASS#page1.tif source=060945_5380_US_ASS#page2.tif source=060945_5380_US_ASS#page3.tif source=060945_5380_US_ASS#page4.tif													

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PATENT
REEL: 027142 FRAME: 0685

ASSIGNMENT
(Joint Inventors)

WHEREAS, the undersigned,

- (1) Heungseok LEE, resident of 34-4, Yongsan-dong 2-ga, Yongsan-gu, Seoul 140-022, Republic of Korea,
- (2) Jaemin JIN, resident of 772-1, Jangdeok-dong, Hwaseong-si, Gyeonggi-do 445-130, Republic of Korea,
- (3) Sukil OH, resident of 554-1804, Jinhung Apt., 963-2, Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-470, Republic of Korea,
- (4) Dongchul LEE, resident of 206-1001, Mugunghwa Apt., 1056, Hogye-dong, Dongan-gu, Anyang-si, Gyeonggi-do 431-080, Republic of Korea, and
- (5) Insoo JUNG, resident of 324-1005, Dugyeon Maeul Hansol Apt., Jeongja-dong, Jangan-gu, Suwon-si, Gyeonggi-do 440-300, Republic of Korea,

, respectively, (hereinafter termed "Inventors"), have invented certain new and useful improvements in **THROTTLE VALVE DEVICE INCLUDING CONTROL LOGIC OF THROTTLE VALVE FOR DIESEL VEHICLE AND THE CONTROL METHOD THEREOF** 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 Republic of Korea, having a place of business at 231, Yangae-Dong, Seocho-Ku, Seoul, Republic of Korea, (hereinafter termed "Assignee"), 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

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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) Heungseok LEE

Date: 10.13.2011

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

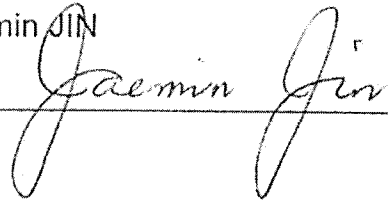
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Application No. _____
Attorney Docket No. 060945-5380-US

(2) Jaemin JIN

Date: 10. 17. 2011

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) Sukil OH

Date: 10. 13. 2011

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.

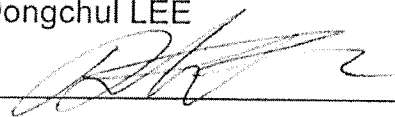
WITNESS my hand and official seal.

Notary Public

(4) Dongchul LEE

Date: 10. 17. 2011

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

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Application No. _____
Attorney Docket No. 060945-5380-US

(5) Insoo JUNG

Date: 10.17.2011

Jung In Soo

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

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RECORDED: 10/28/2011

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