

PATENT ASSIGNMENT

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Seung Yong Lee	04/11/2011
Chi Myung Kim	04/11/2011
Eung Young Kim	04/11/2011
Gi Young Nam	04/11/2011
Sung Wook Na	04/11/2011
Hark Koo Kim	04/11/2011
Kwang Ok Han	04/11/2011
Kyoon Soo Lim	04/11/2011
Yong Sun Park	04/11/2011

RECEIVING PARTY DATA

Name:	Hyundai Motor Company
Street Address:	231, Yangjae-Dong, Seocho-gu
City:	Seoul
State/Country:	REPUBLIC OF KOREA

Name:	Kia Motors Corporation
Street Address:	231, Yangjae-Dong, Seocho-gu
City:	Seoul
State/Country:	REPUBLIC OF KOREA

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13192745

CORRESPONDENCE DATA

Fax Number: (617)227-4420

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Phone: 617 239-0100

PATENT

501609357

REEL: 026664 FRAME: 0795

CH \$40.00 13192745

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Correspondent Name: EDWARDS ANGELL PALMER & DODGE LLP
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Address Line 4: BOSTON, MASSACHUSETTS 02205

ATTORNEY DOCKET NUMBER:	88173(51529)
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NAME OF SUBMITTER:	Peter F. Corless
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Total Attachments: 12
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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 11 day of April, 2011, by LEE, Seung Yong; KIM, Chi Myung; KIM, Eung Young; NAM, Gi Young; NA, Sung Wook; KIM, Hark Koo; HAN, Kwang Ok; LIM, Kyoon Soo and PARK, Yong Sun, (hereinafter referred to as Assignors), residing at Hyundai-Kia Environment Technical Research Institute, 104, Mabuk-dong, Giheung-gu, Yongin-si, Gyeonggi-do 446-912, REPUBLIC OF KOREA; 602-1503, Sinjeong Maeul Woosung Apt., Pungdeokcheon 2-dong, Suji-gu, Yongin-si, Gyeonggi-do 448-990, REPUBLIC OF KOREA; 3-906, Lucky Apt., 296, Seoksu 2-dong, Manan-gu, Anyang-si, Gyeonggi-do 430-706, REPUBLIC OF KOREA; No. 312, Hyundai Dormitory, 248 Mabuk-dong, Giheung-gu, Yongin-si, Gyeonggi-do 446-912 Republic of Korea; 103-1603, Shinchang Vivaldi., Mabuk-dong, Giheung-gu, Yongin-si, Gyeonggi-do 446-771, Republic of Korea; Hyundai-Kia Environment Technical Research Institute, 104, Mabuk-dong, Giheung-gu, Yongin-si, Gyeonggi-do 446-912, REPUBLIC OF KOREA; Hyundai Kia Motors Namyang Institute, 772-1, Jangdeok-dong, Hwaseong-si, Gyeonggi-do 445-706, REPUBLIC OF KOREA; 208-1004, LG Village, Geumgok-dong, Gwonseon-gu, Suwon-si, Gyeonggi-do 441-460, REPUBLIC OF KOREA; 625-1401, Sinjung Maeul Jinhung Apt., Pungdeokcheon dong, Suji-gu, Yongin-si, Gyeonggi-do 448-170, REPUBLIC OF KOREA, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in
HEATING CONTROL METHOD FOR FUEL CELL VEHICLE
, set forth in a Patent application for Letters Patent of the United States, filed herewith;
and

WHEREAS, Hyundai Motor Company and Kia Motors Corporation organized under and pursuant to the laws of Republic of Korea, having its principal places of business at 231, Yangjae-Dong, Seocho-gu, Seoul, REPUBLIC OF KOREA and 231, Yangjae-Dong, Seocho-Ku, Seoul, REPUBLIC OF KOREA (hereinafter referred to as Assignees), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned,

transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division,

continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 21874

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

April 11, 2011
Date

LEE, SEUNG YONG
LEE, Seung Yong

Witness:

April 11, 2011
Date

SA
SONG, Ji Huang

April 11, 2011

Date

Kim Chi Myung

KIM, Chi Myung

Witness:

April 11, 2011

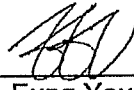
Date

SA

SONG, Ji Huang

April 11, 2011

Date



KIM, Eung Young

Witness:

April 11, 2011

Date



SONG, Ji Hwang

April 11, 2011

Date

Nam, Giyoung
NAM, Gi Young

Witness:

April 11, 2011

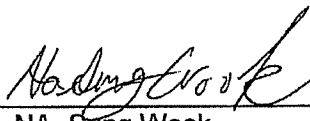
Date

SA

SONG, Ji Huang

April 11, 2011

Date



NA, Sung Wook

Witness:

April 11, 2011

Date

GA

SONG, JT Huang

April 11, 2011

Date

KIM, HARK KOO

KIM, Hark Koo

Witness:

APR 11, 2011

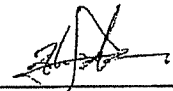
Date

SA

SONG, Jt Huang

April 11, 2011


Date


HAN, Kwang Ok

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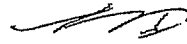
April 11, 2011

Date


SONG, Ji Hwang

April 11, 2011

Date



LIM, Kyoong Soo

Witness:

April 11, 2011

Date



SONG, Ji Myung

April 11, 2011

Date

Park Yong Sun

PARK, Yong Sun

Witness:

April 11, 2011

Date

SA

SONG, JT Huang