

# PATENT ASSIGNMENT

Electronic Version v1.1

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Sangjin Heo	11/29/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Hyundai Motor Company
<b>Street Address:</b>	231, Yangjae-Dong, Seocho-Ku
<b>City:</b>	Seoul
<b>State/Country:</b>	REPUBLIC OF KOREA
<b>Name:</b>	Kia Motors Corporation
<b>Street Address:</b>	231, Yangjae-Dong, Seocho-Ku
<b>City:</b>	Seoul
<b>State/Country:</b>	REPUBLIC OF KOREA
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12960792
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<b>ATTORNEY DOCKET NUMBER:</b>	87453(50498)
<b>NAME OF SUBMITTER:</b>	Peter F. Corless

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**PATENT**  
**REEL: 025451 FRAME: 0975**

Total Attachments: 2

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**PATENT**

**REEL: 025451 FRAME: 0976**

**ASSIGNMENT**

WHEREAS, I, Sangjin HEO of 772-1, Jangdeok-dong, Hwaseong-si, Gyeonggi-do 445-130, Republic of Korea inventor and a citizen of the Republic of Korea (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in

**METHOD OF ESTIMATING TEMPERATURE OF BATTERY**

, for which an application for United States Letters Patent with the same title has been filed with the United States Patent and Trademark Office on even date;

WHEREAS HYUNDAI MOTOR COMPANY of Yangjae-Dong, Seocho-Ku, Seoul, Republic of Korea and Kia Motors Corporation of 231, Yangjae-Dong, Seocho-Ku, Seoul, Republic of Korea, respectively, (hereinafter referred to as the "Assignees"), are desirous of acquiring the entire right, title and interest in and to this invention, and in and to the said application, and any Letters Patent that may issue thereon;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest for the United States in and to the said invention and in and to the said applications and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, and all applications claiming priority therefrom; and the Assignors hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said inventions, or patents resulting therefrom, insofar as their interest is concerned, to the Assignee; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors also have sold, assigned, and transferred, and do hereby sell, assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest in and to the invention disclosed in said applications, in all countries of the world foreign to the United States, including the right to file applications and obtain patents for said inventions in its own name in said countries and including all rights of priority in said countries under the terms of any applicable international convention; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agree, at the request of the Assignee, to testify in any legal proceedings, sign all lawful

papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce patent protection for said invention in all countries.

The Assignors also hereby grant the law firm of EDWARDS & ANGELL LLP 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 documents.

IN WITNESS WHEREOF, the Assignors have caused this Assignment to be executed.

Dated this 21<sup>th</sup> day of Nov., 2010

Sangjin HEO

Sangjin HEO

WITNESS

WITNESS

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(Date)

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(Date)