

PATENT ASSIGNMENT

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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>Dae-Woo Lee</td> <td>08/14/2013</td> </tr> <tr> <td>Byeong-Seob Song</td> <td>08/14/2013</td> </tr> <tr> <td>Jin-Young Yang</td> <td>08/14/2013</td> </tr> <tr> <td>Woo-Young Lee</td> <td>08/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Dae-Woo Lee	08/14/2013	Byeong-Seob Song	08/14/2013	Jin-Young Yang	08/14/2013	Woo-Young Lee	08/14/2013
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RECEIVING PARTY DATA											
Name:	Hyundai Motor Company										
Street Address:	231, Yangjae-Dong, Seocho-Ku,										
City:	Seoul										
State/Country:	KOREA, REPUBLIC OF										
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>14010027</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14010027						
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CORRESPONDENCE DATA											
Fax Number:	6172274420										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	617 239-0100										
Email:	patent@edwardswildman.com										
Correspondent Name:	EDWARDS WILDMAN PALMER LLP										
Address Line 1:	P.O. BOX 55874										
Address Line 4:	BOSTON, MASSACHUSETTS 02205										
ATTORNEY DOCKET NUMBER:	93553(50498)										
NAME OF SUBMITTER:	Peter F. Corless										
Signature:	/Peter F. Corless/										
Date:	08/26/2013										
Total Attachments: 3 source=93553assign#page1.tif source=93553assign#page2.tif source=93553assign#page3.tif											

CH \$40.00 14010027

ASSIGNMENT

WHEREAS, We,

LEE, Dae-Woo of 367-3, Goseong 1-ri, Uljin-eup, Uljin-gun,
Gyeongsangbuk-do 767-801, Republic of Korea, and

SONG, Byeong-Seob of 102-1204, Sinjeong Maeul Jugong 1 Danji Apt.,
Pungdeokcheon 2-dong, Suji-gu, Yongin-si, Gyeonggi-do 448-172,
Republic of Korea, and

YANG, Jin-Young of 448-7, Deokpung 1-dong, Hanam-si, Gyeonggi-do
465-011, Republic of Korea, and

LEE, Woo-Young of 213-501, Jungang Heights Apt., Gak-ri, Ochang-eup,
Cheongwon-gun, Chungcheongbuk-do 363-785, Republic of Korea,

inventors and a citizens of the Republic of Korea (hereinafter referred to as "Assignors"), have
invented certain new and useful improvements in

FULL BRIDGE DC-DC CONVERTER THAT APPLIES CURRENT DOUBLER

, 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 231, Yangjae-Dong, Seocho-Ku,
Seoul, Republic of Korea, (hereinafter referred to as the "Assignee"), is 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 14th day of August, 2013



LEE, Dae-Woo

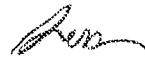
WITNESS

WITNESS

(Date)

(Date)

Dated this 14th day of August, 2013



SONG, Byeong-Seob

WITNESS

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(Date)

(Date)

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WITNESS

(Date)

Dated this 14th day of August, 2013

WITNESS

(Date)

Yang, Jin-Young

YANG, Jin-Young

WITNESS

(Date)

Lee, Woo-Young

LEE, Woo-Young

WITNESS

(Date)