

## 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>Dirk Hasenkopf</td> <td>07/28/2013</td> </tr> <tr> <td>Stefan Butzmann</td> <td>05/17/2013</td> </tr> </tbody> </table>		Name	Execution Date	Dirk Hasenkopf	07/28/2013	Stefan Butzmann	05/17/2013				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Robert Bosch GmbH</td> </tr> <tr> <td>Street Address:</td> <td>Postfach 30 02 20</td> </tr> <tr> <td>City:</td> <td>Stuttgart</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>70442</td> </tr> </table>		Name:	Robert Bosch GmbH	Street Address:	Postfach 30 02 20	City:	Stuttgart	State/Country:	GERMANY	Postal Code:	70442
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<table border="1"> <tr> <td>Name:</td> <td>Samsung SDI Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>428-5 Gongse-dong, Giheung-gu</td> </tr> <tr> <td>City:</td> <td>Yongin-si, Gyeonggi-do</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>446-577</td> </tr> </table>		Name:	Samsung SDI Co., Ltd.	Street Address:	428-5 Gongse-dong, Giheung-gu	City:	Yongin-si, Gyeonggi-do	State/Country:	KOREA, REPUBLIC OF	Postal Code:	446-577
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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>13822772</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13822772						
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Application Number:	13822772										
CORRESPONDENCE DATA											
Fax Number:	3176382139										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	(317)638-2922										
Email:	docketing@maginot.com										
Correspondent Name:	Maginot, Moore & Beck LLP										
Address Line 1:	One Indiana Square, Suite 2200										
Address Line 4:	Indianapolis, INDIANA 46204										
ATTORNEY DOCKET NUMBER:	2178-0672										
<b>PATENT</b>											

NAME OF SUBMITTER:	Paul J. Maginot
Signature:	/Paul J. Maginot/
Date:	09/03/2013
<b>Total Attachments: 4</b> source=R332860_2178-0672_Assignment#page1.tif source=R332860_2178-0672_Assignment#page2.tif source=R332860_2178-0672_Assignment#page3.tif source=R332860_2178-0672_Assignment#page4.tif	

ASSIGNMENT

For valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

Dirk Hasenkopf  
Karl-Schurz Str. 30  
70190 Stuttgart  
Germany

Stefan Butzmann  
Heilbronner Str. 23  
71717 Beilstein  
Germany

confirm our obligation to and hereby sell, assign, and convey our entire right, title, and interest unto Robert Bosch GmbH, a German corporation having a mailing address at:

Postfach 30 02 20  
70442 Stuttgart  
GERMANY

and Samsung SDI Co., Ltd., a Korean corporation having a mailing address at:

428-5 Gongse-dong, Giheung-gu  
Yongin-si, Gyeonggi-do  
446-577  
Republic of Korea

(hereinafter referred to jointly as "Assignees"), their successors and assigns, except as set forth below -

(1) in and to an invention entitled "Battery having Cell Voltage and Battery Current Detection and Comprising Only One Electrical Isolation Device" for which we have executed a United States patent application, said United States application being assigned U.S. Serial No. 13/822,772 and which is disclosed in Patent Cooperation Treaty Application No. PCT/EP2011/063688, filed on August 9, 2011;

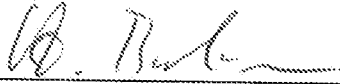
(2) in and to said United States patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, §111(b) provisional,

§111(a), reissue applications, and international patent applications designating the United States) based upon said invention, and in and to the patent or patents to be granted thereon, including reissues thereof, if any, to the full end of the term or terms for which said patent or patents may be granted; and

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, including patent applications filed under the Patent Cooperation Treaty, the European Patent Convention or any other international treaty, and including the right to claim priority of said United States application, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted.

We hereby agree that we will, upon demand of Assignees, their successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignees, their successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignees, their successors and assigns, and not by us.

Dirk Hasenkopf *Dirk Hasenkopf* Date 28.7.2013



Date 12.5.13

Stefan Butzmann