

## PATENT ASSIGNMENT COVER SHEET

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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>NING QU</td> <td>08/08/2013</td> </tr> <tr> <td>ALFRED GOERLACH</td> <td>08/26/2013</td> </tr> </tbody> </table>		Name	Execution Date	NING QU	08/08/2013	ALFRED GOERLACH	08/26/2013
Name	Execution Date						
NING QU	08/08/2013						
ALFRED GOERLACH	08/26/2013						
RECEIVING PARTY DATA							
Name:	ROBERT BOSCH GMBH						
Street Address:	POSTFACH 30 02 20						
City:	STUTTGART						
State/Country:	GERMANY						
Postal Code:	DE-70442						
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>13982430</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13982430		
Property Type	Number						
Application Number:	13982430						
CORRESPONDENCE DATA							
Fax Number:	(212)425-5288						
Email:	amagracia@kenyon.com						
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>							
Correspondent Name:	GERARD A. MESSINA						
Address Line 1:	KENYON & KENYON LLP						
Address Line 2:	ONE BROADWAY						
Address Line 4:	NEW YORK, NEW YORK 10004-1007						
ATTORNEY DOCKET NUMBER:	10191/8032						
NAME OF SUBMITTER:	GERARD A. MESSINA						
Signature:	/Gerard A. Messina/						
Date:	10/07/2013						

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Total Attachments: 4

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**ASSIGNMENT**

WHEREAS, we,

**Ning QU**  
**Stauffenbergstr. 73**  
**DE-72770 Reutlingen**  
**Federal Republic of Germany**  
**Citizenship: Federal Republic of Germany**

and

**Alfred GOERLACH**  
**Bismarckstr. 70**  
**DE-72127 Kusterdingen**  
**Federal Republic of Germany**  
**Citizenship: Federal Republic of Germany**

have made inventions and discoveries in **SEMICONDUCTOR CONFIGURATION HAVING REDUCED ON-STATE RESISTANCE**, for which an application for Letters Patent was filed as PCT International Application No. PCT/EP2011/071590, on December 2, 2011, and

WHEREAS ROBERT BOSCH GMBH, having a place of business at Postfach 30 02 20, 70442 Stuttgart, Federal Republic of Germany, and who, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited,

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent, any and all other applications for Letters Patent on said inventions and discoveries, including all divisional, renewal, substitute, and continuation applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under an International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to

issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that we have not conveyed to others any right, title, or interest in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; that we have good right to assign the same to Assignee without encumbrance; and that we are aware of no claim to the contrary.

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries; and to testify to the same in any interference, arbitration, or litigation.

8<sup>th</sup> IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this  
day of August, 2013.

Ning Qu  
Ning QU

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this  
26. day of August, 2013.

Alfred Goerlach  
Alfred GOERLACH