

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Klaus JOOS</td> <td>01/02/2012</td> </tr> <tr> <td>Ruben SCHLUETER</td> <td>01/02/2012</td> </tr> <tr> <td>Jens NEUBERG</td> <td>01/18/2012</td> </tr> <tr> <td>Helerson KREMMER</td> <td>01/27/2012</td> </tr> <tr> <td>Holger RAPP</td> <td>01/31/2012</td> </tr> <tr> <td>Haris HAMEDOVIC</td> <td>01/09/2012</td> </tr> <tr> <td>Joerg KOENIG</td> <td>01/18/2012</td> </tr> <tr> <td>Anh-Tuan HOANG</td> <td>02/16/2012</td> </tr> <tr> <td>Bernd WICHERT</td> <td>02/06/2012</td> </tr> <tr> <td>Achim HIRCHENHEIN</td> <td>01/02/2012</td> </tr> </tbody> </table>		Name	Execution Date	Klaus JOOS	01/02/2012	Ruben SCHLUETER	01/02/2012	Jens NEUBERG	01/18/2012	Helerson KREMMER	01/27/2012	Holger RAPP	01/31/2012	Haris HAMEDOVIC	01/09/2012	Joerg KOENIG	01/18/2012	Anh-Tuan HOANG	02/16/2012	Bernd WICHERT	02/06/2012	Achim HIRCHENHEIN	01/02/2012
Name	Execution Date																						
Klaus JOOS	01/02/2012																						
Ruben SCHLUETER	01/02/2012																						
Jens NEUBERG	01/18/2012																						
Helerson KREMMER	01/27/2012																						
Holger RAPP	01/31/2012																						
Haris HAMEDOVIC	01/09/2012																						
Joerg KOENIG	01/18/2012																						
Anh-Tuan HOANG	02/16/2012																						
Bernd WICHERT	02/06/2012																						
Achim HIRCHENHEIN	01/02/2012																						
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>DE-70442</td> </tr> </table>		Name:	Robert Bosch GmbH	Street Address:	Postfach 30 02 20	City:	Stuttgart	State/Country:	GERMANY	Postal Code:	DE-70442												
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>13377769</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13377769																		
Property Type	Number																						
Application Number:	13377769																						
CORRESPONDENCE DATA																							
Fax Number:	(212)425-5288																						
Email:	amagracia@kenyon.com																						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																							
Correspondent Name:	Gerard A. Messina																						
Address Line 1:	Kenyon & Kenyon LLP																						

OP \$40.00 13377769

Address Line 2: One Broadway  
Address Line 4: New York, NEW YORK 10004-1007

ATTORNEY DOCKET NUMBER: 10191/7015

NAME OF SUBMITTER: Gerard A. Messina

**Total Attachments: 13**

source=assignment 10191-7015#page1.tif  
source=assignment 10191-7015#page2.tif  
source=assignment 10191-7015#page3.tif  
source=assignment 10191-7015#page4.tif  
source=assignment 10191-7015#page5.tif  
source=assignment 10191-7015#page6.tif  
source=assignment 10191-7015#page7.tif  
source=assignment 10191-7015#page8.tif  
source=assignment 10191-7015#page9.tif  
source=assignment 10191-7015#page10.tif  
source=assignment 10191-7015#page11.tif  
source=assignment 10191-7015#page12.tif  
source=assignment 10191-7015#page13.tif

ASSIGNMENT

WHEREAS, we,

Klaus JOOS  
In Der Eichhaelde 3  
DE-74399 Walheim  
Federal Republic of Germany  
Citizenship: Federal Republic of Germany

Ruben SCHLUETER  
Markgroeninger Strasse 9  
DE-70435 Stuttgart  
Federal Republic of Germany  
Citizenship: Federal Republic of Germany

Jens NEUBERG  
Walter-Heller-Strasse 45  
DE-70563 Stuttgart  
Federal Republic of Germany  
Citizenship: Federal Republic of Germany

Helerson KEMMER  
Enzhaldenweg 13  
DE-71665 Vaihingen  
Federal Republic of Germany  
Citizenship: Federal Republic of Germany

Holger RAPP  
Birkenweg 22  
DE-71254 Ditzingen  
Federal Republic of Germany  
Citizenship: Federal Republic of Germany

Haris HAMEDOVIC  
Haydnstr. 1  
DE-71696 Moeglingen  
Federal Republic of Germany  
Citizenship: Federal Republic of Germany

Joerg KOENIG  
~~Vogelsangstr. 93a~~ Rückertstr. 5A January 18th 2012 kj  
DE-70197 Stuttgart  
Federal Republic of Germany  
Citizenship: Federal Republic of Germany

**Anh-Tuan HOANG**  
**11970 Pellicano Drive**  
**El Paso, Texas 79936**  
**United States of America**  
**Citizenship: Vietnam**

**Bernd WICHERT**  
**Apfelblutenweg 27**  
**DE-71394 Kernen**  
**Federal Republic of Germany**  
**Citizenship: Federal Republic of Germany**

**and**

**Achim HIRCHENHEIN**  
**Schulstrasse 39**  
**DE-54311 Trierweiler**  
**Federal Republic of Germany**  
**Citizenship: Federal Republic of Germany**

have made inventions and discoveries in **METHOD AND CONTROL TOOL FOR OPERATING A VALVE**, for which an application for Letters Patent was filed as PCT International Application No. PCT/EP2010/063301, on September 10, 2010, 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.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this  
2 day of January, 20 12.

Klaus JOOS

2<sup>nd</sup> day of January, 2012. IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this

  
\_\_\_\_\_  
Ruben SCHLUETER

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this  
18 day of January, 2012.

  
Jens NEUBERG



IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this  
27<sup>th</sup> day of January, 2012.

Helerson Kemmer  
Helerson KEMMER

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this  
31<sup>st</sup> day of January, 2012.

Holger Rapp  
Holger RAPP

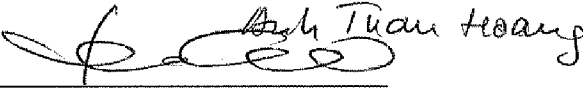
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this  
03 day of January, 2012.

  
Haris HAMEDOVIC

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this  
18<sup>th</sup> day of January, 2012

Joerg Koenig  
Joerg KOENIG

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this  
~~16th~~ day of ~~February~~, 2012.  
16<sup>th</sup> February 2012

  
\_\_\_\_\_  
Anh-Tuan HOANG

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this  
6<sup>th</sup> day of February, 2012.

  
Bernd WICHERT

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this  
2nd day of January, 2012.

  
Achim HIRCHENHEIN