PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:	ASSIGNMENT			

CONVEYING PARTY DATA

Name	Execution Date		
Ruediger Weiss	12/18/2008		
Andreas Schmidt	01/12/2009		
Jean-Marc Tonye Djon	01/08/2009		
Jochen Laubender	01/15/2009		
Manfred Dietrich	12/18/2008		
Elias Calva	12/18/2008		
Michael Drung	01/14/2009		
Karsten Kroepke	01/29/2009		

RECEIVING PARTY DATA

Name:	obert Bosch GmbH			
Street Address:	Postfach 30 02 20			
City:	Stuttgart			
State/Country:	FEDERAL REPUBLIC GERMANY			
Postal Code:	DE-70442			

PROPERTY NUMBERS Total: 1

Property Type	Number				
Application Number:	12291634				

CORRESPONDENCE DATA

500798025

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ATTORNEY DOCKET NUMBER: 10191/5641

PATENT

REEL: 022347 FRAME: 0957

NAME OF SUBMITTER:	Gerard A. Messina
Total Attachments: 11	
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PATENT REEL: 022347 FRAME: 0958

ASSIGNMENT

WHEREAS, we,

Ruediger WEISS Schillerstr. 9 DE-71159 Moctzingen Federal Republic of Germany Citizenship: Federal Republic of Germany

Andreas SCHMIDT Ludowicistr. 30 DE-75417 Muchlacker Federal Republic of Germany Citizenship: Federal Republic of Germany

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Citizenship: Federal Republic of Germany

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Helenenstrasse 7
DE-71706 Markgroeningen
Federal Republic of Germany
Citizenship: Federal Republic of Germany

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Dornfelderweg 1
DE-71706 Markgroeningen
Federal Republic of Germany
Citizenship: Federal Republic of Germany

Elias CALVA Stitzenburgstr. 1 DE-70182 Stuttgart Federal Republic of Germany Citizenship: Mexican

Michael DRUNG
Agnes-Guenther-Weg 37
DE-75417 Muehlacker
Federal Republic of Germany
Citizenship: Federal Republic of Germany

and

Karsten KROEPKE

-Im Lerchenholz 5

-DE-71636 Ludwigsburg

Federal Republic of Germany

Citizenship: Federal Republic of Germany

have made certain new and useful inventions and discoveries in METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE, AND CONTROL OR REGULATING DEVICE FOR AN INTERNAL COMBUSTION ENGINE, for which an application for Letters Patent is filed herewith; and

WHEREAS Robert Bosch GmbH, having a place of business at Postfach 30 02 20, DE-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 of the United States of America, 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 TESTIMO	NY WHEREOF, I have hereunto set my hand and seal the	nis <u>1814</u> day of
december	, 2008.	

Ruediger WEISS

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this						this	12	day of	
Jan		, 2008.9							

Andreas SCHMIDT

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this <u>08</u> day of <u>orwary</u>, 20089

Jean-Marc Tonye DJON

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this <u>15</u> day of <u>January</u>, 2008. 2009

Jochen LAUBENDER

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this day of December, 2008.

Manfred DIETRICH

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this _\(\frac{1}{2}\) day of _\(\frac{1}{2}\) \(\frac{1}{2}\) day of _\(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}

Elias CALVA

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 1444 day of _______, 200%. §

Michael DRUNG

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this <u>73</u> day of ______, 2008, 3

Karsten KROEPKE

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RECORDED: 03/05/2009

PATENT REEL: 022347 FRAME: 0969