

PATENT ASSIGNMENT

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Lutz Dorfmueller	06/13/2008
Sabine Roesch	06/10/2008
Detlef Heimann	06/10/2008
Stefan Rodewald	07/08/2008
Helmut Marx	06/13/2008
Henrico Runge	06/10/2008
Herald Guenschel	06/23/2008
Ralf Schmidt	06/13/2008
Markus Siebert	06/16/2008
Lothar Diehl	06/09/2008
Thorsten Ochs	06/11/2008
Juergen Sindel	06/23/2008
Juergen Ruth	06/23/2008
Andreas Schaak	06/23/2008
Henrik Schittenhelm	06/10/2008

RECEIVING PARTY DATA

Name:	Robert 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:	12084675

CORRESPONDENCE DATA

OP \$40.00 12084675

500824747

PATENT
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ATTORNEY DOCKET NUMBER:

10191/5509

NAME OF SUBMITTER:

Gerard A. Messina

Total Attachments: 18

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ASSIGNMENT

WHEREAS, we,

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Citizenship: Federal Republic of Germany**

**Andreas SCHAAK
~~Neue Str. 31~~ *Seerosenweg 3*
~~DE-71642 Ludwigsburg~~ *DE - 71364 Winnenden*
Federal Republic of Germany
Citizenship: Federal Republic of Germany**

AND

**Henrik SCHITTENHELM
Gaisburgstr. 33
DE-70182 Stuttgart
Federal Republic of Germany
Citizenship: Federal Republic of Germany**

have made inventions and discoveries in **SENSOR ELEMENT FOR GAS SENSORS AND METHOD FOR OPERATING SAME**, for which an application for Letters Patent was filed as PCT International Application No. PCT/EP2006/067608 on October 20, 2006, 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 of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in any and all countries, including all divisional, renewal, substitute, continuation, and Convention 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 13th day
of June, 2008.

Lutz Dorfmueller
Lutz DORFMUELLER

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 16th day
of June, 2008.


Sabine ROESCH

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 10th day
of X June, 2008.

X D. Heimann
Detlef HEIMANN

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 8th day
of X July, 2008.

X SK
Stefan RODEWALD

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this Xth 13 day
of Xth June, 2008.

Xth Helmut Marx
Helmut MARX

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 10 day
of June, 2008.


Henrico RUNGE

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this X day
of X 23. 06., 2008.

X H. Guenschel
Harald GUENSCHER

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 13 day
of June, 2008.

X R. Schmidt
Ralf SCHMIDT

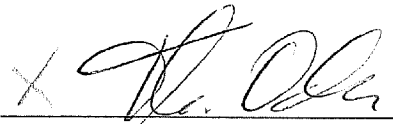
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this X 16 day
of X June, 2008.

X [Signature]
Markus SIEBERT

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 9th day
of June, 2008.

Lothar Diehl
Lothar DIEHL

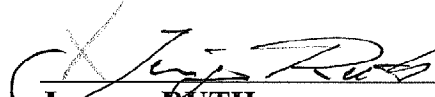
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 11 day
of June, 2008.


Thorsten OCHS

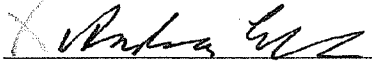
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 23 day
of June, 2008.


Juergen SINDEL

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 27 day
of 27.06.08, 2008.


Juergen RUTH

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 23 day
of June, 2008.



Andreas SCHAAK

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 10th day
of X June, 2008.


Henrik SCHITTENHELM