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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

BOTTNER, Harald
WOLLENSTEIN, Jurgen
KUHNER, Gerd

2. Name and address of receiving party(ies)

Name: FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER Angewandten Forschung E.V.

Internal Address:

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
Security Agreement Change of Name
Other

Street Address: Hansastrasse 27c

City: 80686 Munich State: GERMANY Zip:

Execution Date: 04/05/2004

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 10/489,574

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: CONARD, Richard D.

Internal Address: BARNES & THORNBURG

Street Address: 11 South Meridian Street

City: Indianapolis State: IN Zip: 46204

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

- Enclosed
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9. Signature.

Richard D. CONARD
Name of Person Signing

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April 20, 2004
Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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A S S I G N M E N T

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned,

Name(s) Harald BÖTTNER
 of Inventor(s) Jürgen WÖLLENSTEIN, and
Gerd KÜHNER

maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled

Title of Application CHROMIUM/TITANIUM OXIDE SEMICONDUCTOR GAS SENSOR AND METHOD FOR PRODUCTION THEREOF

the undersigned hereby sell(s), assign(s), and set(s) over to

Name of Assignee FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

Address of principal place of business Hansastrasse 27c
80686 Munchen, GERMANY

Insert State of Incorporation (if applicable) or "Not Applicable" a corporation of GERMANY

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue, or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I have executed this assignment at 79110 Freiburg, Germany,
this 5th day of April, 2004.

Outside the USA:
Witnesses are
required when
acknowledgment
before a Notary
Public is not
feasible.

[Signature]
Witness Arno FEISST

[Signature]
Witness Susanne HARTWIG

[Signature]
Inventor (Signature)

Harald BÖTTNER
Inventor (Printed Name)

ACKNOWLEDGMENT

STATE OF _____ }
 } SS:
COUNTY OF _____ }

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal
this _____ day of _____, _____.

Notary Public

Printed Name

My Commission Expires: _____

Resident of _____ County

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Arno Feisst
Witness Arno FEISST

Jürgen Wöllenstein
Inventor (Signature)

Susanne Hartwig
Witness Susanne HARTWIG

Jürgen WÖLLENSTEIN
Inventor (Printed Name)

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Arno Feisst
Witness Arno FEISST

Gerd Kühner
Inventor (Signature)

Susanne Hartwig
Witness Susanne HARTWIG

Gerd KÜHNER
Inventor (Printed Name)

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this _____ day of _____, _____.

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Printed Name

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Resident of _____ County

U.S. Application Serial No. 10/489,574