

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Gilbert Erdler</td><td>12/02/2008</td></tr><tr><td>Holger Reinecke</td><td>12/12/2008</td></tr><tr><td>Claas Muller</td><td>12/08/2008</td></tr><tr><td>Mirko Frank</td><td>12/08/2008</td></tr></tbody></table>		Name	Execution Date	Gilbert Erdler	12/02/2008	Holger Reinecke	12/12/2008	Claas Muller	12/08/2008	Mirko Frank	12/08/2008
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Gilbert Erdler	12/02/2008										
Holger Reinecke	12/12/2008										
Claas Muller	12/08/2008										
Mirko Frank	12/08/2008										
RECEIVING PARTY DATA											
Name:	Micronas GmbH										
Street Address:	Hans-Bunte-Strasse 19										
City:	Freiburg, i.Br.										
State/Country:	GERMANY										
Postal Code:	79108										
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>12360589</td></tr></tbody></table>		Property Type	Number	Application Number:	12360589						
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Application Number:	12360589										
CORRESPONDENCE DATA											
Fax Number:	(412)471-4094										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Email:	webblaw@webblaw.com										
Correspondent Name:	THE WEBB LAW FIRM, P.C.										
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Address Line 2:	436 SEVENTH AVENUE										
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ATTORNEY DOCKET NUMBER:	4587-083599										
NAME OF SUBMITTER:	John W. McIlvaine										
Total Attachments: 4											

OP \$40.00 12360589

500764855

PATENT
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PATENT

REEL: 022164 FRAME: 0073

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Gilbert ERDLER
Holger REINECKE
Claas MÜLLER
Mirko FRANK

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

2. Name and address of receiving party(ies)

Name: Micronas GmbH

Internal Address: _____

Street Address: Hans-Bunte-Straße 19

Freiburg i.Br.

City: _____

State: _____

Country: GERMANY Zip: 79108

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) Dec. 2, 2008, Dec. 12, 2008 & Dec. 8, 2008

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other _____

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

12/360,589

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: John W. McIlvaine

Internal Address: The Webb Law Firm

Street Address: 436 Seventh Avenue

700 Koppers Building

City: Pittsburgh

State: PA Zip: 15219

Phone Number: 412-471-8815

Fax Number: 412-471-4094

Email Address: webblaw@webblaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

☒ Authorized to be charged by credit card

☐ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 1059

Expiration Date 08/2010

b. Deposit Account Number 23-0650

Authorized User Name _____

9. Signature:

John W. McIlvaine, Registration No. 34,219

Name of Person Signing

Signature

January 27, 2009

Date

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

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

RESISTIVE HYDROGEN SENSOR

(Invention Title)

☐ for which I have this day executed an application for a United States Patent (hereinafter "said application").

AND/OR

☐ for which an application for a United States Patent was filed on _____ (mm/dd/yyyy) and bears Application Number _____ (hereinafter "said application").

AND/OR

☐ for which an international patent application was filed under the Patent Cooperation Treaty on _____ (mm/dd/yyyy), bearing Application No. _____ (hereinafter "said application").

AND, WHEREAS, Micronas GmbH, a corporation of Germany, having a place of business at **Hans-Bunte-Straße 19, 79108 Freiburg i.Br. Germany**, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request any attorney associated with The Webb Law Firm, Customer No. 28289, to insert here in parentheses (Application No. 12/360,589, filed 01/27/2009) the filing date and application number of said application when known.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue,

Application No. _____

Attorney Docket No. 4587-083599

continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR:

Gilbert ERDLER

RESIDENCE:

Freiburg, GERMANY

X EXECUTED this 02nd day of December, 2008

Gilbert Erdler
SIGNATURE X

X WITNESS:

Gilbert Erdler

~~~~~

2. FULL NAME OF ASSIGNOR:

Holger REINECKE

RESIDENCE:

Emmendingen, GERMANY

X EXECUTED this 12<sup>th</sup> day of December, 2008

Holger Reinecke  
SIGNATURE X

X WITNESS:

Holger Reinecke

☒ Checked Box indicates 1 additional page(s) for inventor signatures.

INTERNATIONAL  
Application No. \_\_\_\_\_  
Attorney Docket No. 4587-083599

3. FULL NAME OF ASSIGNOR:  
Claas MÜLLER

RESIDENCE:  
Freiburg, GERMANY

EXECUTED this 08 day of December, 2008

Claas Müller  
SIGNATURE

WITNESS:

Claas Müller

~~~~~

4. FULL NAME OF ASSIGNOR:
Mirko FRANK

RESIDENCE:
Pfaffenweiler, Freiburg, GERMANY

EXECUTED this 08th day of December, 2008

Mirko Frank
SIGNATURE

WITNESS:

Mirko Frank