

MRD 5-18-98

06-10-1998



NASA Docket No. LAR 15361-1

100734179

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

☒ In re application of: **GLEN W. SACHSE ET AL.**
Serial No.: **09/019,473**
Filed: **FEBRUARY 5, 1998**
For: **MULTI-GAS SENSOR**
Group No. **2873**
Examiner:

— Patent: Issued:

*NOTE: Insert name(s) of inventor(s) and title also for patent. Where recordal is with respect to a maintenance fee payment also

Patent Application
Commissioner of Patents and Trademarks
Washington, D.C. 20231

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this "Assignment Cover Letter", along with any document referred to, is being deposited with the United States Postal Service on this date _____ in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number _____ addressed to the: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

OR

CERTIFICATION UNDER 37 CFR 1.8

☒ I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

May 18, 1998
Date

Robin W. Edwards
ROBIN W. EDWARDS

ASSIGNMENT (COVER LETTER)

NAMES OF PARTY(IES) MAKING TRANSFER

1. Name 1: **LIANG-GUO WANG**
Name 2:
Name 3:
Name 4:
Name 5:

IDENTITY OF PARTY(IES) TO WHOM TRANSFER IS MADE

2. Transfer is being made to:

Name: The COLLEGE OF WILLIAM AND MARY
Address: WILLIAMSBURG, VIRGINIA 23185

INTENTION OF DOCUMENT(S)

3. A brief description of what the accompanying document intends to accomplish is that it is an:
— Assignment/License
☒ Assignment
— License
— Security interest
— Other

Date Assignment Executed: **MARCH 2, 1998**

4. Execution Date of new Application: **MARCH 2, 1998**

ADDRESS TO WHICH DOCUMENT SHOULD BE RETURNED AFTER RECORDAL

Please return the recorded document(s)

5. NASA Langley Research Center
Mail Stop 212
3 Langley Boulevard
Hampton, VA 23681-0001

6. Total number of applications/patents involved: 1

7. NOTE: (37 CFR 1.21(h) - "For recording each assignment, agreement or other paper relating to the property in a patent or application per property--\$40.00")

TOTAL FEE DUE: \$40.00

FEE PAYMENT/AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT

8. Fee payment is provided for as follows:

- New Application transmittal (item 13)
- Per Control Number _____ Notice of Non-Recordable Document (Copy Attached)
- FWC Transmittal (Item VIII)
- Transmittal of Filing Under 37 CFR 1.60(b) (Item 11)
- Attached is a check in the sum of \$
 - ☒ Charge Account No. 14-0116 if any additional fee is due.
 - ☒ Charge Account No. 14-0116 in the sum of \$40.00 for each assignment being recorded. A duplicate of this transmittal is attached.

9. Statement and signature:

Total Number of pages including cover sheet, attachments and documents 6

As Attorney of Record, I hereby declare that the information contained herein is true and correct for the ☒ accompanying Assignment or ☐ copy of the Assignment, and the copy of the Assignment (if applicable), being transmitted is a true copy of the original document.

06/10/1998 DNGUYEN 00000062 140116 09019473

01 FC:581 40.00 CH

Tel. No. (757) 864-9260

NASA Langley Research Center
Mail Stop 212
Hampton, VA 23681-0001

Robin W. Edwards
ROBIN W. EDWARDS
Reg. No. 39,179

NASA Docket No. LAR 15361-1

PATENT

For: ☒ U.S. and/or ☒ Foreign Rights

For: ☐ U.S. Application or
☐ U.S. Provisional Application

For: ☒ U.S. Patent
For: ☐ PCT Application
By: Multiple Inventors

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS (Inventors):

GLENN W. SACHSE
118 Quantico Loop
Yorktown, Virginia 23693, USA

LIANG-GUO WANG
~~4 Poulas Court~~
~~Hampton, Virginia 23669, USA~~

LW 3/2/98
59 Jacklin Circle
Milpitas, CA 95035

PETER J. LeBEL
760 Green Parkway
Newport News, Virginia 23602, USA

TOMMY C. STEELE
125 Yorkshire Drive
Yorktown, Virginia 23693, USA

MAURO RANA
3 Decesare Drive
Hampton, Virginia 23666

(This Assignment is applicable to INVENTOR(S): LIANG-GUO WANG

hereby sells, assigns and transfers to

ASSIGNEE:

THE COLLEGE OF WILLIAM AND MARY
Williamsburg, Virginia 23185

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

- ☐ the entire right, title and interest
- ☒ their each undivided ONE-FIFTH (1/5) interest for the United States and its territorial possessions
- (check the following box, if foreign rights are also to be assigned)
- ☒ and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the invention entitled:

MULTI-GAS SENSOR

(check and complete (a), (b), (c), (d), (e), (f), or (g))

and which is found in



PAGE 1 OF 2

PATENT
REEL: 9219 FRAME: 0298

- (a) ☐ U.S. patent application executed on even date herewith
(b) ☒ U.S. patent application executed on March 2, 1998
(c) ☐ U.S. provisional application naming the above inventor(s) for the above-entitled invention
☐ Express mail label no.: _____
☐ Mailed: _____
☒ To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request the attorney of record to insert below the filing date and application number when they become known.
(d) ☒ U.S. application no. 09/019,473 filed on 02-05-98
(e) ☐ International application no. PCT / _____
filed on _____
(f) ☐ U.S. patent no. _____ issued _____
☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(check (g), if foreign application(s) is also being assigned)

(g) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/we have hereunto set our hand and seal.

Date: March 2, 1998

Liang-guo Wang
LIANG-GUO WANG

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.