

Express

12-21-2005

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I COVER SHEET

PATENTS ONLY

11-299588

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

11/29/05 U.S. PTO
11/29/05 88



121205

1. Name of conveying party(ies)

William J. Antel Subbrahit Dey
Nirm V. Nimalan Robert M. Orenstein
Stephen A. Solovitz Matthew Moorman
Nishant Vats Ronald P. Manginell

2. Name and address of receiving party(ies)

Name: Sandia Corporation

Internal Address:

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

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

Execution Date(s) 11/30/05

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other

Street Address: 1515 Eubank Blvd. SE

City: Albuquerque

State: New Mexico

Country: US Zip: 87123-3453

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

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Robert B. Reeser III

Internal Address: Armstrong Teasdale LLP

Suite 2600

Street Address: One Metropolitan Square

City: St. Louis

State: MO Zip: 63102

Phone Number: 314-621-5070

Fax Number:

Email Address:

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 _____
Expiration Date _____

b. Deposit Account Number 07-0868

Authorized User Name Robert B. Reeser III

9. Signature:

December 12, 2005

Date

12/20/2005 DBYRNE

Signature

Robert B. Reeser III

Name of Person Signing

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

10

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Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

In accordance with my/our obligations under an Employee Innovation and Proprietary Information Agreement or (as applicable) arising out of other agreements (such as, but not limited to, the Services Agreement between the General Electric Company, a New York Corporation, and my employer), and/or for other good and valuable consideration of which I/we acknowledge receipt, I/we,

William Joseph Antel	of	Böhmerwaldstrasse 9G, 85386 München-Eching, Germany
Nirm Velumylum Nirmalan	of	120 Denise Drive, Niskayuna, NY 12309
Stephen Adam Solovitz	of	29 Bari Manor, Old Post Road S., Croton on Hudson, NY 10520
Nishant Vats	of	Kamal Niketan, Harihar Singh Road, Morabadi Ranchi, Jharkhand, India 834008
Subhrajit Dey	of	#104 Srinivasa Residency, HAL 2nd Stage Bangalore, Karnataka, India 560008
Robert Michael Orenstein	of	1058 Piedmont Avenue, NE 301, Atlanta, GA 30309
Matthew Moorman	of	401 Tulane SE, Albuquerque, NM 87106
Ronald P. Manginell	of	13604 North Rim Road NE, Albuquerque, NM 87112

hereby sell and assign to **General Electric Company, a New York Corporation**, having an address at 1 River Road, Schenectady, New York 12345, USA, and **Sandia Corporation, Operator of Sandia National Laboratories**, having an address at 1515 Eubank SE, Albuquerque, New Mexico 87123 USA (hereinafter referred to as Assignees) their successors and assigns my (our) entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me/us and described in the application for United States Patent currently entitled:

METHOD, SENSOR AND SYSTEM FOR MEASURING A LOWER HEATING VALUE AND A WOBBE INDEX OF A GASEOUS FUEL

executed concurrently herewith,

filed on having Serial Number

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Assignees, or their successors or assigns and agree that on request and without further consideration, but at the expense of said Assignees, I/we will communicate to said Assignees or their representatives or nominees any facts known to me/us respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignees, their successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

INVENTOR 1

Signature: [Handwritten Signature]
William Joseph Antel

Date: 23.11.05

Witnessed by: [Handwritten Signature]
Signature

Date: 22.11.05

Herbert Kopecek
Printed Name of Witness

Witnessed by: [Handwritten Signature]
Signature

Date: 23/11/05

Michael Bartlett
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

William Joseph Antel Date: _____

STATE OF

ss.

COUNTY OF

This ____ day of _____, _____ before me personally came the above-named _____, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)

DOCKET NUMBER: 185672

INVENTOR 2

Signature: Nirm Velumyrum Nirmalan
Nirm Velumyrum Nirmalan

Date: Nov 28, 2005

Witnessed by: Sarah Walker
Signature

Date: Nov 28, 2005

SARAH WALKER
Printed Name of Witness

Witnessed by: [Signature]
Signature

Date: Nov-28-2005

Mohamed SAKAMI
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

Nirm Velumyrum Nirmalan Date: _____

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named _____ to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)

DOCKET NUMBER: 185672

INVENTOR 3

Signature: [Signature]
Stephen Adam Solovitz

Date: November 28, 2005

Witnessed by: [Signature]
Signature

Date: Nov 28, 2005

SARAH WALKER
Printed Name of Witness

Witnessed by: [Signature]
Signature

Date: Nov 28-2005

Mohamed SAKAMI
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

Stephen Adam Solovitz Date: _____

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named _____, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)

INVENTOR 4

Signature: Nishant Vats
Nishant Vats

Date: 28 November, 2005

Witnessed by: Abhinav
Signature

Date: 28 NOVEMBER, 2005

ABHINAV CHINTAMANI
Printed Name of Witness

Witnessed by: Abhishek
Signature

Date: 28 November, 2005

ABHISHEK PATNI
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

Nishant Vats Date: _____

STATE OF _____
COUNTY OF _____ ss.

This _____ day of _____, _____ before me personally came the above-named _____, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal _____
(Notary Public)

DOCKET NUMBER: 185672

INVENTOR 5

Signature: Subhrajit Dey
Subhrajit Dey

Date: 30 NOVEMBER, 2005

Witnessed by: M P Gokhale
Signature

Date: 30 NOVEMBER, 2005

MANOJ P. GOKHALE
Printed Name of Witness

Witnessed by: Shailesh S. Bhaisora
Signature

Date: 30 NOVEMBER, 2005

Shailesh S. Bhaisora
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

Subhrajit Dey Date: _____

STATE OF

ss.

COUNTY OF

This _____ day of _____, _____ before me personally came the above-named _____, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)

INVENTOR 6

Signature: *Robert Michael Orenstein*
Robert Michael Orenstein

Date: 11/22/2005

Witnessed by: *P.A. Chetan Ragh*
Signature

Date: 11/22/05

CHETAN RAGHU A. POLAVARAM
Printed Name of Witness

Witnessed by: *Eamon Gleeson*
Signature

Date: 27 NOV 2005

eamon gleeson
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

Robert Michael Orenstein

Date: _____

STATE OF _____
COUNTY OF _____

ss.

This _____ day of _____, _____ before me personally came the above-named _____, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal _____
(Notary Public)

INVENTOR 7

Signature: Matthew Moorman
Matthew Moorman

Date: Nov 30, 2005

Witnessed by: Lori Apodaca
Signature

Date: Nov 30, 2005

Lori Apodaca
Printed Name of Witness

Witnessed by: Thomas W. Hamilton
Signature

Date: 11-30-05

Thomas W. Hamilton
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

_____ Date: _____
Matthew Moorman

STATE OF

ss.

COUNTY OF

This _____ day of _____ before me personally came the above-named _____ to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal

(Notary Public)

DOCKET NUMBER: 185672

INVENTOR 8

Signature: Ronald P. Manginell
Ronald P. Manginell

Date: 11/30/05

Witnessed by Lois Apodaca
Signature

Date: 11/30/05

Lois Apodaca
Printed Name of Witness

Witnessed by: Thomas W. Hamilton
Signature

Date: 11/30/05

Thomas W. Hamilton
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

Ronald P. Manginell Date: _____

STATE OF _____
COUNTY OF _____ ss.

This _____ day of _____, _____ before me personally came the above-named _____, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal _____
(Notary Public)