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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):

Gas Research Institute

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

2. Name and address of receiving party(ies)

Name: Varidigm Corporation

Internal Address:

Street Address: 3070 Ranchview Lane

City: Plymouth State: Minnesota Zip: 55447

Execution Date: 26 March 2003

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)

B. Patent No.(s)

5,590,642

5,971,745

6,299,433

Additional numbers attached? ☐ Yes ☒ No

FEB 24 2009

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

Name: Mark D. Swanson

Internal Address: Pauley Petersen & Erickson

Street Address: 2800 West Higgins Road

Suite 365

City: Hoffman Estates State: IL Zip: 60169

6. Total number of applications and patents involved: 3

7. Total fee (37 CFR 3.41).....\$ 120.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit Account :

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

Mark D. Swanson

Name of Person Signing

Signature

Date

Reg. No. 48,498

Total number of pages including cover sheet, attachments, and document: 3

Attorney

Docket No.:

VC-94-057

GRI-94-049

GRI-99-002

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services

Director of the US Patent and Trademark Office

P.O. Box 1450, Alexandria, VA 22313-1450

I hereby certify that this correspondence (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 on 20 Feb. 2009

20 Feb. 2009
 Date

Signature

**ASSIGNMENT
Of
PATENTS and PATENT APPLICATIONS**

WHEREAS, Gas Research Institute, a non-profit corporation duly organized and existing under and by virtue of the laws of the State of Illinois, and having its principal office and place of business at 1700 S. Mt Prospect Road, Des Plaines, Illinois 60018, hereinafter referred to as ASSIGNOR, has acquired all rights, title and interest in certain new and useful improvements in inventions which are described and claimed in the United States Patents listed on Schedule A attached hereto and made a part hereof by reference; being hereinafter referred to as said "Inventions"; and

WHEREAS, Varidigm Corporation, a corporation duly organized and existing under and by virtue of the laws of the State of Delaware and having its principal office and place of business at 2355 Polaris Lane, Suite 128, Plymouth, Minnesota 55447, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S entire rights, title and interest in and to said Inventions and said U.S. Patents listed on Schedule A attached hereto.

NOW THEREFORE BE IT KNOWN THAT, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR has sold, assigned, transferred and set over and by these presents does hereby sell, assign, transfer and set over to and unto ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said Inventions, and in, to and under the U.S. Patents listed on Schedule A attached hereto and any other related applications for Letters Patent therefore of the foreign countries, and in, to and under all divisions, reissues, continuations, extensions and reexaminations thereof, and covenants that ASSIGNOR has the full right so to do and it has not executed and will not execute any agreement in conflict with this Assignment; and the Commissioner of Patents is hereby authorized and requested to issue all United States Letters Patent on said Inventions included herein to ASSIGNEE, as assignee of ASSIGNOR'S entire interest.

Gas Research Institute

By: Thomas C. O'Laughlin
Thomas C. O'Laughlin
Secretary

Dated: March 26, 2003