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OMB No. 0651-0011 (exp. 4/94)

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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):
Maurice GIVENS

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

2. Name and address of receiving party(ies)
 Name: **GAS TECHNOLOGY INSTITUTE**
 Internal Address:

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: **18 April 2007**

Street Address: **1700 South Mount Prospect Road**
 City: **Des Plaines** State: **Illinois** Zip: **60018**
 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: **18 April 2007**

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: **Mark E. Fejer**
 Internal Address: **Gas Technology Institute**
 Street Address: **1700 South Mount Prospect Road**
 City: **Des Plaines** State: **IL** Zip: **60018**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 1.21 (h)).....\$ **40.00**
 Enclosed
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8. Deposit Account : **502045**
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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 E. Fejer
 Name of Person Signing *Mark E. Fejer* Signature **18 Apr 2007** Date
 Regis. No. **34,817** Total number of pages including cover sheet, attachments, and document: **3**

Attorney Docket No.: GTI-1664

Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services, Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450

EXPRESS MAIL NO.: EV951529508US DATE OF DEPOSIT: 18 April 2007

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PATENT REEL: 019264 FRAME: 0449

ASSIGNMENT

WHEREAS, the following inventor

Name: Maurice GIVENS
Residence: Chicago, Illinois
Post Office Address: 10341 S. Prospect Avenue
Chicago, Illinois 60643
Citizenship: United States of America

hereinafter referred to as ASSIGNOR, has invented certain new and useful improvements in an invention entitled

METHOD AND APPARATUS FOR ENHANCED CONVERGENCE OF THE NORMALIZED LMS ALGORITHM

which is described and claimed in an application for Letters Patent of the United States executed by ASSIGNOR on even date herewith, and naming as sole inventor Maurice GIVENS; said improvements as described and claimed in said application for Letters Patent of the United States, being hereinafter referred to as said "Invention"; and

WHEREAS, GAS TECHNOLOGY INSTITUTE, a not-for-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 South Mount Prospect Road, Des Plaines, Illinois 60018, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S entire rights, title and interest in and to said Invention, and in, to and under Letters Patent therefor in the United States and countries foreign thereto;

NOW THEREFORE BE IT KNOWN THAT, for and in consideration of the sum of One Dollar (\$1.00) and other 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 ASSIGNOR'S entire rights, title and interest in and to said Invention, and in, to and under the above-identified application and all other applications for Letters Patent therefor of the United States and countries foreign thereto, 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 the Commissioner of Patents is hereby authorized and requested to issue all United States Letters Patent on said Invention included herein to ASSIGNEE, as assignee of ASSIGNOR'S entire interest.

ASSIGNMENT

ASSIGNOR further agrees to communicate to ASSIGNEE or its representatives or agents all facts and information known or available to ASSIGNOR regarding said Invention including evidence for interference purposes or for other legal proceedings, whenever requested; to testify in any interference or other proceedings; to execute and deliver, on request, all lawful papers including original, divisional, continuing and reissue applications, renewals, assignments, powers of attorney, declarations, oaths, affidavits, depositions, etc.; and to generally do everything possible to aid ASSIGNEE, its successors and assigns, but at the expense of ASSIGNEE, in obtaining and enforcing proper protection for said Invention, in the United States and countries foreign thereto.

April 18, 2007
Date

Maurice Givens
Maurice GIVENS