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02-22-2006

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



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To the Honorable Commissioner of Patents and Trademarks, U.S. Department of Commerce, original documents or copy thereof.

1. Name of conveying party(ies):  
Iosif K. RABOVITSER, Serguei NESTER and Bruce BRYAN  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: GAS TECHNOLOGY INSTITUTE  
Internal Address: \_\_\_\_\_  
Street Address: 1700 South Mount Prospect Road  
City: Des Plaines State: Illinois Zip: 60018

112967 U.S. P.T.O.  
11/353723  
021406

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: 14 February 2006

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: 14 February 2006  
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  
 Authorized to be charged to deposit account  
8. Deposit Account : 502045  
(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*  
Name of Person Signing: Mark E. Fejer Signature: Mark E. Fejer Date: 14 February 2006  
Regis. No. 34,817 Total number of pages including cover sheet, attachments, and document: 3

Attorney Docket No.: GTI-1644

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

02/23/2006 DBYRNE 00000091 502045 11353723 EXPRESS MAIL NO.: EL649159425US  
01 FC:8021 40.00 DA DATE OF DEPOSIT: 14 February 2006

## ASSIGNMENT

WHEREAS, We the following inventors

1. Name: Iosif K. RABOVITSER  
Residence: Skokie, Illinois  
Post Office Address: 8314 N. Christiana Avenue  
Skokie, Illinois 60076  
Citizenship: United States of America
2. Name: Serguei NESTER  
Residence: Elk Grove Village, Illinois  
Post Office Address: 83 Ridgewood Road  
Elk Grove Village, Illinois 60007  
Citizenship: United States of America
3. Name: Bruce BRYAN  
Residence: Wilmette, Illinois  
Post Office Address: 1921 Birchwood Avenue  
Wilmette, Illinois 60091  
Citizenship: United States of America

hereinafter referred to as ASSIGNORS, have invented certain new and useful improvements in an invention entitled:

### PLASMA ASSISTED CONVERSION OF CARBONACEOUS MATERIALS INTO SYNTHESIS GAS

which is described and claimed in an application for Letters Patent of the United States executed by ASSIGNORS on even date herewith, and naming as inventors Iosif K. RABOVITSER, Serguei NESTER and Bruce BRYAN; 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 ASSIGNORS' 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;

ASSIGNMENT

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, ASSIGNORS have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over to and unto ASSIGNEE, its successors and assigns ASSIGNORS' 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 of the United States and countries foreign thereto, and in, to and under all divisions, reissues, continuations, extensions and reexaminations thereof, and covenant that ASSIGNORS have 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 ASSIGNORS' entire interest.

ASSIGNORS further agree to communicate to ASSIGNEE or its representatives or agents all facts and information known or available to ASSIGNORS 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.

Feb. 14, 2006

Date

Ioşif Răbovitser

Ioşif K. RABOVITSER

02/14/2006

Date

S. Nester

Serguei NESTER

2/14/2006

Date

Bruce Bryan

Bruce BRYAN