

09-03-1998

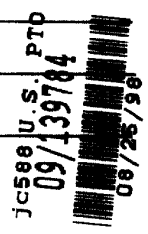


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To the Honorable Commissioner of Pa id original documents or copy thereof.

1. Name of conveying party(ies):  
Arthur D. Little, Inc.  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: Gas Research Institute  
Internal Address: \_\_\_\_\_  
  
Street Address: 8600 West Bryn Mawr Avenue  
  
City: Chicago State: Illinois Zip: 60631



3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
  
Execution Date: 20 August 1998

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: 20 August 1998  
  
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: Nick C. Kottis  
Internal Address: Speckman Pauley Petersen & Fejer  
  
Street Address: 2800 West Higgins Road  
Suite 365  
City: Hoffman Estates State: IL Zip: 60195

6. Total number of applications and patents involved: 1  
  
7. Total fee (37 CFR 3.41).....\$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account  
  
8. Deposit Account : \_\_\_\_\_  
(Attach duplicate copy of this page if paying by deposit account)

**DO NOT USE THIS SPACE**

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*  
Nick C. Kottis Nick C. Kottis 25 August 1998  
Name of Person Signing Signature Date  
Regis. No. 31,974 Total number of pages including cover sheet, attachments, and document: 3

Attorney Docket No.: GRI-97-049  
Mail documents to be recorded with required cover sheet information to:  
**Assistant Commissioner for Patents, Box Assignments**  
Washington, D.C. 20231  
09/02/1998 DNEUYEN 00000118 09139784  
01 FC:581 40.00 OP EXPRESS MAIL NO.: EM353372072US  
DATE OF DEPOSIT: 25 August 1998

## ASSIGNMENT

WHEREAS, Arthur D. Little, Inc., a corporation duly organized and existing under and by virtue of the laws of the State of Massachusetts and having its principal office and place of business at Acorn Park, Cambridge, Massachusetts 02140-2390, hereinafter referred to as ASSIGNOR, has acquired all rights, title and interest of David H. McFADDEN, in certain new and useful improvements in an invention entitled

### DUAL MODE AIR TREATMENT APPARATUS AND METHOD

which is described and claimed in an application for Letters Patent of the United States filed herewith under U.S. Express Mail No. EM353372072US, and naming as sole inventor, David H. McFADDEN; 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 Research 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 8600 West Bryn Mawr Avenue, Chicago, Illinois 60631, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S entire rights, title and interest in and to said Invention, said application above-identified, 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 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.

ASSIGNOR further agrees to communicate to ASSIGNEE, its successors and assigns, and their 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.

Arthur D. Little, Inc.

Anne Troutman 8/20/98  
Signature Date

Anne Troutman  
Name

Vice President  
Title