

FORM PTO-1595  
(Rev. 6-93)  
OMB-0651-0011

### RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

**1. Name of conveying party(ies):**

- 1) MICHAEL D. NEWMAN
- 2) STEPHEN A. McCORMICK
- 3) HELMUT DRESSELHAUS

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

**2. Name and address of receiving party(ies)**

Name: The BOC Group, Inc.  
 Internal Address:  
 Street Address: 575 Mountain Ave.  
 City: Murray Hill, State: New Jersey ZIP: 07974  
 Country: USA  
 Additional name(s) & address(es) attached?  Yes  No

**A. Nature of conveyance:**

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date(s): July 22, 2004; August 18, 2004;  
August 27, 2004, respectively.

**A. 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): 10/879,897

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Joshua L. Cohen  
 Internal Address: Intellectual Property Department  
The BOC Group, Inc.  
 Street Address: 575 Mountain Avenue  
 City: Murray Hill State: NJ ZIP: 07974-2064

**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 number: 02-2865**  
 Should any additional fees be required, please charge to Deposit Account No. 02-2865.

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.

Joshua L. Cohen Reg. No.: 34,307  
 Name of Person Signing



Signature

9-17-2004  
 Date

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

CH \$40.00 022865 10879897

M00A433/DIV

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**ASSIGNMENT**

**WHEREAS, I/We, Michael D. Newman, Stephen A. McCormick, Helmut Dresselhaus, a citizen of/ citizens of United States and Australia respectively, residing at 1308 St. James Court, Hillsborough, NJ 08844, 24 Pebble Ridge Road, Warrington, PA 18976, 49 Leahey Road, Brookfield, QLD, Queensland, Australia 4069 respectively, have invented certain new and useful improvements in APPARATUS AND METHOD FOR MIXING A GAS AND A LIQUID for which I/We have made application for Letters Patent of the United States, which application may be identified in the United States Patent and Trademark Office as Serial No.10/879,897, filed June 30, 2004; which application claims priority from US Non-Provisional Application 09/819,513, filed March 28, 2001; and,**

**WHEREAS, The BOC Group, Inc., a Delaware Corporation having a place of business at 575 Mountain Avenue, Murray Hill, New Providence, New Jersey 07974, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application:**

**NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid, and other good and valuable consideration the receipt of which is hereby acknowledged, I/WE, the said inventor(s) have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over unto the said **The BOC Group, Inc.**, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the invention, the said improvements, and the said application, all applications derived therefrom and all continuing prosecution and RCE applications, conversions, divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent or Inventor's Certificates which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent or Inventor's Certificates which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said **The BOC Group, Inc.**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.**

*I/WE HEREBY authorize the above-mentioned assignee, **THE BOC GROUP, INC.**, to insert into this instrument the filing date and serial number of said patent application.*

**I/WE HEREBY** covenant that I/We have full right to convey the entire interest herein assigned, and that I/WE have not executed and will not execute any agreement in conflict herewith.

**AND I/WE HEREBY** further covenant and agree that I/We will communicate to the said **The BOC Group, Inc.**, its successors, legal representatives and assigns, any facts known to me/us respecting said invention and said improvements, and testify in any legal proceeding, sign all lawful papers, execute all continuing prosecution, divisional, continuing, reexamination and reissue applications, make all rightful oaths, and generally do everything possible to aid the said **The BOC Group, Inc.**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said inventions and improvements in all countries.

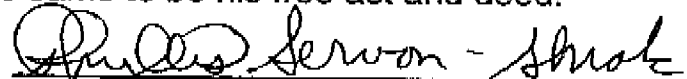
**IN TESTIMONY WHEREOF**, I hereunto set my hand and seal this 18 day of AUGUST, 2004.

  
L.S.  
Michael D. Newman

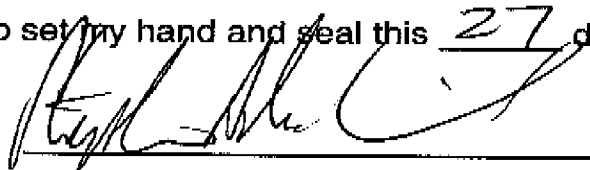
State of New Jersey ss.:  
County of Union

On this 18<sup>th</sup> day of August, 2004, before me, a Notary Public in the State and County aforesaid, personally appeared Michael Newman to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

**PHYLLIS SERVON-SKROK**  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires 12-17-2008

  
Notary Public

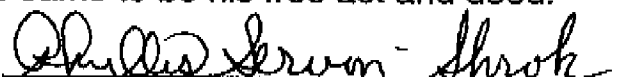
**IN TESTIMONY WHEREOF**, I hereunto set my hand and seal this 27 day of AUGUST, 2004.

  
L.S.

State of New Jersey ss.:  
County of Union

On this 27<sup>th</sup> day of August, 2004, before me, a Notary Public in the State and County aforesaid, personally appeared Steve McCormick to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

**PHYLLIS SERVON-SKROK**  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires 12-17-2008

  
Notary Public

M00A433/DIV  
Serial No.: 10/879,897


**AND I/WE HEREBY** further covenant and agree that I/We will communicate to the said **The BOC Group, Inc.**, its successors, legal representatives and assigns, any facts known to me/us respecting said invention and said improvements, and testify in any legal proceeding, sign all lawful papers, execute all continuing prosecution, divisional, continuing, reexamination and reissue applications, make all rightful oaths, and generally do everything possible to aid the said **The BOC Group, Inc.**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said inventions and improvements in all countries.

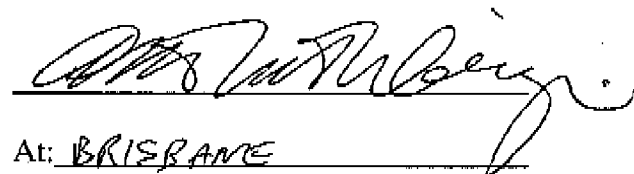
Date

Assignor

Witnessed By:

7/22/04

  
\_\_\_\_\_  
Helmut Dresselhaus

  
\_\_\_\_\_  
At: BRISBANE  
AUSTRALIA

**ALAN McDOUGALL LETHBRIDGE LL B**  
NOTARY PUBLIC (PERMANENT)  
FOR THE STATE OF QUEENSLAND  
AUSTRALIA

**LETHBRIDGE PROPERTY LAWYERS**  
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