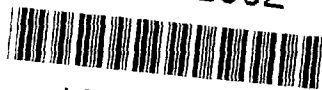


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05-10-2002

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OFFICE OF PUBLIC RECORDS



ATTY. DKT. M02A201

102085096

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

1. Name of conveying party(ies):

Shuen-Cheng HWANG  
Neeraj SAXENA  
Naresh SUCHAK  
Robert J. FERRELL  
Lev DAVYDOV  
James K. TSENG  
Chester GORSKI

4.18.02

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

Name: The BOC Group, Inc.  
Internal Address: \_\_\_\_\_  
Street Address: 575 Mountain Avenue  
Murray Hill  
City: New Providence State: NJ ZIP: 07974

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: 2/20/02, 3/6/02, 2/28/02, 2/28/02, 2/22/02,  
2/20/02, and 2/20/02, respectively

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)

10/059,459

filed January 29, 2002

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Philip H. Von Neida  
Internal Address: Intellectual Property Department  
Street Address: The BOC Group, Inc.  
100 Mountain Avenue  
City: Murray Hill State: NJ Zip: 07974

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

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

05/09/2002 TDI1A21 00000058 022865 10059459

01 FC:581 40.00 CH

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.

Philip H. Von Neida  
Registration No. 34,942

APRIL 11, 2002  
Date

Total number of pages comprising cover sheet: 1

**JOINT ASSIGNMENT**

**WHEREAS, WE**, Shuen-Cheng HWANG, a citizen of the United States of America; Neeraj SAXENA, a citizen of India; Naresh SUCHAK, a citizen of the United States of America; Robert J. FERRELL, a citizen of the United States of America; Lev DAVYDOV, a citizen of the United States of America; James K. TSENG, a citizen of the United States of America; and Chester GORSKI, a citizen of the United States of America

residing, respectively at      3 Chestnut Drive, Chester, New Jersey 07930, USA;  
40 Salem Road, Murray Hill, New Jersey 07974, USA;  
475 West End Ave., Apt. V9, North Plainfield, New Jersey 07060, USA;  
98 West Newell Avenue, Rutherford, New Jersey 07070, USA;  
1275 Rock Ave., Apt. DD10, North Plainfield, New Jersey 07060, USA;  
30 Shady Grove Lane, Berkeley Heights, New Jersey 07922, USA; and  
19 Nancy Street, Kendall Park, New Jersey 08824, USA

have invented certain new and useful improvements in

**PROCESS FOR THE REMOVAL OF IMPURITIES FROM GAS STREAMS**

for which we have made application for Letters Patent of the United States, which application may be identified in the United States Patent Office as Serial No. 10/059,459, filing date January 29, 2002; and,

**WHEREAS, The BOC Group, Inc.**, a Delaware Corporation having an office 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 us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said Shuen-Cheng Hwang, Neeraj Saxena, Naresh Suchak, Robert J. Ferrell, Lev Davydov, James K. Tseng, and Chester Gorski 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 said improvements, and the said application and all 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 which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent 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 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.

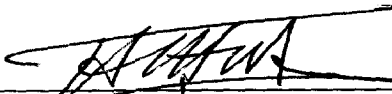
**WE HEREBY** covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

**AND WE HEREBY** further covenant and agree that we will communicate to the said **The BOC Group, Inc.**, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing 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 improvements in all countries.

---

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this

20<sup>th</sup> day of February, 2002.

  
\_\_\_\_\_  
Shuen-Cheng Hwang L.S.

State of New Jersey  
ss.:  
County of Union

On this 20<sup>th</sup> day of February, 2002, before me, a Notary Public in the State and County aforesaid, personally appeared **Shuen-Cheng Hwang**, 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.

  
\_\_\_\_\_  
Notary Public

**BETTY JEAN LEE**  
**NOTARY PUBLIC OF NEW JERSEY**  
My Commission Expires May 3, 2008

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this

6<sup>th</sup> day of MARCH, 2002.

Neeraj Saxena L.S.  
Neeraj Saxena

State of New Jersey  
County of Union SS.:

On this 6<sup>th</sup> day of MARCH, 2002, before me, a Notary Public in the State and County aforesaid, personally appeared **Neeraj Saxena**, 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.

BETTY JEAN LEE  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires May 3, 2006

Betty Jean Lee  
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this

28<sup>th</sup> day of February, 2002.

Naresh Suchak L.S.  
Naresh Suchak

State of New Jersey  
County of Union SS.:

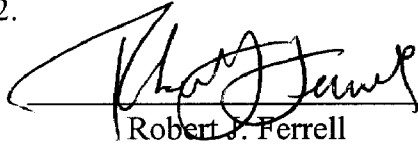
On this 28 day of February, 2002, before me, a Notary Public in the State and County aforesaid, personally appeared **Naresh Suchak**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

BETTY JEAN LEE  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires May 3, 2006

Betty Jean Lee  
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this

28 day of February, 2002.

 L.S.  
Robert J. Ferrell

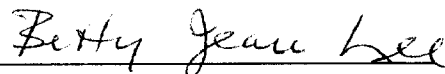
State of New Jersey

ss.:

County of Union


On this 28 day of February, 2002, before me, a Notary Public in the State and County aforesaid, personally appeared **Robert J. Ferrell**, 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.

**BETTY JEAN LEE**  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires May 3, 2006

  
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this

22 day of February, 2002.

 L.S.  
Lev Davydov

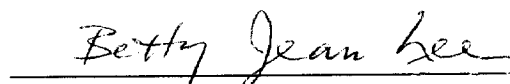
State of New Jersey

ss.:

County of Union

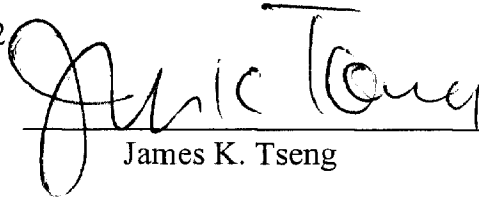
On this 22 day of February, 2002, before me, a Notary Public in the State and County aforesaid, personally appeared **Lev Davydov**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

**BETTY JEAN LEE**  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires May 3, 2006

  
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this

20 day of Feb, 2002

 L.S.  
James K. Tseng

State of New Jersey

SS.:

County of Union


On this 20 day of February, 2002, before me, a Notary Public in the State and County aforesaid, personally appeared **James K. Tseng**, 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.

**BETTY JEAN LEE**  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires May 3, 2006

  
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this

20 day of Feb, 2002.

 L.S.  
Chester Gorski


State of New Jersey

SS.:

County of Union

On this 20 day of February, 2002, before me, a Notary Public in the State and County aforesaid, personally appeared **Chester Gorski**, 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.

**BETTY JEAN LEE**  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires May 3, 2006

  
Notary Public