11.3.04

Form PTO-1595 (Rev. 09/04) OMB No. 0651-0027 (exp. 6/30/2005)

. .

Atty. Dkt. M03B132

U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

102875936		
To the Director of the U.S. Patent and Trademark Office: Plea		
1. Name of conveying party(ies)/Execution Date(s):		
NIGEL PAUL SCHOFIELD HOWARD BRIAN JAMES STONE	Name: The BOC Group plc	
	Internal Address:	
Execution Date(s) September 21, 2004	Street Address: Chertsey Road	
Additional name(s) of conveying party(ies) attached? Yes 🗸 N	o mi û	
3. Nature of conveyance:		
Assignment Merger	City: Windlesham, Surrey	
Security Agreement Change of Name	State:	
Government Interest Assignment		
Executive Order 9424, Confirmatory License	Country: United Kingdom Zip: GU20 6HJ	
Other	Additional name(s) & address(es) attached? Yes	
	s document is being filed together with a new appl	
A. Patent Application No.(s)	B. Patent No.(s)	
10/920,674		
	Ittached? ☐Yes ✔No	
5. Name and address to whom correspondence	6. Total number of applications and patents	
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Ira Lee Zebrak</u>	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41)	
5. Name and address to whom correspondence concerning document should be mailed: Name: Ira Lee Zebrak Internal Address: The BOC Group, Inc.	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card	
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Ira Lee Zebrak</u>	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Image: Authorized to be charged to deposit account for the composities of the charged to deposities the charged tot deposities the charged to deposities the charged to deposities t	
5. Name and address to whom correspondence concerning document should be mailed: Name: Ira Lee Zebrak Internal Address: The BOC Group, Inc.	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 □ Authorized to be charged by credit card ✓ Authorized to be charged to deposit accou □ Enclosed	
5. Name and address to whom correspondence concerning document should be mailed: Name: Ira Lee Zebrak Internal Address: The BOC Group, Inc. Legal Services-Intellectual Property	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Image: Authorized to be charged to deposit account for the composities of the charged to deposities the charged tot deposities the charged to deposities the charged to deposities t	
5. Name and address to whom correspondence concerning document should be mailed: Name: Ira Lee Zebrak Internal Address: The BOC Group, Inc. Legal Services-Intellectual Property	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 □ Authorized to be charged by credit card ✓ Authorized to be charged to deposit accou □ Enclosed	
5. Name and address to whom correspondence concerning document should be mailed: Name: Ira Lee Zebrak Internal Address: The BOC Group, Inc. Legal Services-Intellectual Property Street Address: 575 Mountain Ave. City: Murray Hill	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 □ Authorized to be charged by credit card □ ✓ Authorized to be charged by credit card □ ✓ Authorized to be charged to deposit accou □ ■ ✓ Authorized to be charged to deposit accou □ ■ <td< td=""></td<>	
5. Name and address to whom correspondence concerning document should be mailed: Name: Ira Lee Zebrak Internal Address: The BOC Group, Inc. Legal Services-Intellectual Property Street Address: 575 Mountain Ave. City: Murray Hill State: NJ Zip: 07974	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 □ Authorized to be charged by credit card ✓ Authorized to be charged to deposit accou □ Enclosed □ None required (government interest not affect 8. Payment Information	
5. Name and address to whom correspondence concerning document should be mailed: Name: Internal ddress: Internal Address: The BOC Group, Inc. Legal Services-Intellectual Property Street Address: 575 Mountain Ave. City: Murray Hill State: NJ Zip: 07974 Phone Number: 908-771-6469	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 □ Authorized to be charged by credit card □ ✓ Authorized to be charged by credit card □ ✓ Authorized to be charged to deposit accou □ ■ ✓ Authorized to be charged to deposit accou □ ■ <td< td=""></td<>	
5. Name and address to whom correspondence concerning document should be mailed: Name: Internal Address: Internal Address: The BOC Group, Inc. Legal Services-Intellectual Property Street Address: 575 Mountain Ave. City: Murray Hill State: NJ Zip: 07974 Phone Number: 908-771-6469 Fax Number: 908-771-6159	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card ✓ Authorized to be charged to deposit accou Enclosed None required (government interest not affect 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date	
5. Name and address to whom correspondence concerning document should be mailed: Name: Internal ddress: Internal Address: The BOC Group, Inc. Legal Services-Intellectual Property Street Address: 575 Mountain Ave. City: Murray Hill State: NJ Zip: 07974 Phone Number: 908-771-6469	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card ✓ Authorized to be charged to deposit accou Enclosed None required (government interest not affect 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number <u>02-2865</u>	
5. Name and address to whom correspondence concerning document should be mailed: Name: Internal Address: Internal Address: The BOC Group, Inc. Legal Services-Intellectual Property Street Address: 575 Mountain Ave. City: Murray Hill State: NJ Zip: 07974 Phone Number: 908-771-6469 Fax Number: 908-771-6159	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card ✓ Authorized to be charged to deposit accou Enclosed None required (government interest not affect 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number <u>02-2865</u>	
5. Name and address to whom correspondence concerning document should be mailed: Name: Ira Lee Zebrak Internal Address: The BOC Group, Inc. Legal Services-Intellectual Property Street Address: 575 Mountain Ave. City: Murray Hill State: NJ Zip: 07974 Phone Number: 908-771-6469 Fax Number: 908-771-6469 Email Address: Ira.Zebrak@boc.com	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card ✓ Authorized to be charged to deposit accou Enclosed None required (government interest not affect 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number <u>02-2865</u>	
5. Name and address to whom correspondence concerning document should be mailed: Name: Ira Lee Zebrak Internal Address: The BOC Group, Inc. Legal Services-Intellectual Property Street Address: 575 Mountain Ave. City: Murray Hill State: NJ Zip: 07974 Phone Number: 908-771-6469 Fax Number: 908-771-6159 Email Address: Ira.Zebrak@boc.com 9. Signature:	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card ✓ Authorized to be charged by credit card ✓ Authorized to be charged to deposit accou Enclosed None required (government interest not affect 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 02-2865 Authorized User Name Ira Lee Zebrak	

11-05-2004

PATENT REEL: 015947 FRAME: 0097

Dkt. No. M03B132 Page 1 of 2

ASSIGNMENT

WHEREAS, I/We, Nigel Paul Schofield and Howard Brian James Stone, a citizen of/ citizens of the United Kingdom, residing at Milton House, 14 Rushams Road, Horsham, West Sussex RH12 2NT, England, and 4 Oakfield Cottages, Bolney Road, Cowfold, Horsham, West Sussex, RH13 8AA, England, have invented certain new and useful improvements in VALVING FOR MULTI-STAGE VACUUM PUMPS 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. 10/920,674, filed August 18, 2004; and,

WHEREAS, The BOC Group plc, an English Company of Chertsey Road, Windlesham, Surrey GU20 6HJ, England, 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 Nigel Paul Schofield and Howard Brian James Stone 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 plc, 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 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 plc, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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.

PATENT REEL: 015947 FRAME: 0098

Dkt. No. M03B132 Page 2 of 2

AND I/WE HEREBY further covenant and agree that I/We will communicate to the said **The BOC Group plc**, 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 plc**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said inventions and improvements in all countries.

Date	<u>Assignor</u>	Witnessed By:
21 SENEMBER 2.004	Nigel Paul Schofield	<u>Chan-Cheorg Siew</u> At: <u>Burgess 14:11,</u> BOC Edwarde.

21 SETTEMBER 2004

Howard Brian James Stone

han-Cheorg Siew BOC Edwards

RECORDED: 11/03/2004