**13.S. DEPARTMENT OF COMMERCE** FORM PTO-1595 11-16-1999 1-31-92 Patent and Trademark Office **RECOR** 101201760 To the Honorable Commissioner of Patents and Trademarks: Please record the attached on pinal documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: The BOC Group plc Nigel Paul Schofield and Michael Henry North Internal Address: Street Address: Additional name(s) of conveying party(ies) attached? ☐ Yes Chertsey Road, Windlesham ☑ No Surrey GU20 6HJ England City: State: ZIP: Additional name(s) & address(es) attached? □ Yes ☒ No 3. Nature of conveyance: ■ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date: September 2nd and September 9th 1999 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) B. Patent No.(s) USSN 09/334,236 filed June 16, 1999 Docket No. 99B123 Additional numbers attached? ☐ Yes ☒ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: Name: David M. Rosenblum Internal Address: Patent, Trademark & Licensing Department Street Address: 100 Mountain Avenue Murray Hill City: New Providence State: NJ ZIP: 07974 7. Total fee (37 CFR 3.41); ...... \$ 40.00 □ Enclosed ☑ Authorized to be charged to deposit account 11/03/1999 ANDHANNE 00000037 022865 40.00 CH 03 FC:581 8. Deposit account number: 02-2865

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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

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David M./Rosenblum

Registration No. 29,341

Date

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PATENT REEL: 010373 FRAME: 0779

PATENT

## UNITED STATES PATENT APPLICATION JOINT ASSIGNMENT

For value received, Nigel Paul Schofield and Michael Henry North both citizens of Great Britain residing respectively at:

14 Rushams Road, Horsham West Sussex RH12 2NT, England 115 Blackborough Road, Reigate, Surrey, RH2 7DA, England

do hereby sell and assign to The BOC Group plc, an English Company of Chertsey Road, Windlesham, Surrey GU20 6HJ, its successors or assigns, the entire right, title and interest, in our improvement entitled Improvements in Vacuum Pumps for which we have made application for Letters Patent of the United States, identified in the United States Patent Office as Serial No. 09/334,236 filed June 16, 1999 (which application is claiming priority of Applications No.'s GB 9813048.7 filed 17 June 1998 and GB 9814659.0 filed 7 July 1998); and, together with any Letters Patent which may be granted therefor, and any divisions, reissues, continuations or extensions thereof, and authorize and request the Commissioner of Patents and Trademarks to issue any letters Patent resulting therefrom to said Company as assignee, and covenant that we have full right so to do and agree that we will communicate to said Company or its representatives any facts known to us respecting said improvement and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation and reissue applications in connection therewith, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns or nominees to obtain and enforce in the United States proper protection for said improvement.

Inventors/Assignors		
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**RECORDED: 11/01/1999** 

PATENT REEL: 010373 FRAME: 0780