

Form PTO-1595 (Rev. 06/04)  
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE  
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**PATENTS ONLY**

LINDE-G101

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

The BOC Group plc

Execution Date(s) June 30, 2004

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

**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

Name: Linde Aktiengesellschaft

Internal Address: \_\_\_\_\_

Street Address: Abraham-Lincoln-Strasse 21

City: Wiesbaden

State: \_\_\_\_\_

Country: Germany Zip: 65189

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

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

5,237,822; 5,928,408; and 5,887,447

Additional numbers attached? ☐ Yes ☒ No

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

Name: Warren A. Zittlau

Internal Address: Hollander Law Firm, P.L.C.

Street Address: 10300 Eaton Place, Suite 305

City: Fairfax

State: Virginia Zip: 22030

Phone Number: 703-383-4800

Fax Number: 703-383-4804

Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved:**

3

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 120.00**

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_

Expiration Date \_\_\_\_\_

b. Deposit Account Number 501032 (Linde-G101)

Authorized User Name Warren A. Zittlau

**9. Signature:**

Warren A. Zittlau  
Signature

12/20/04  
Date

Warren A. Zittlau  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (703) 305-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

700139850

PATENT  
REEL: 015478 FRAME: 0063

CH \$120.00 601032 6237822

certified copy

Beglaubigte Abschrift

# PATENT ASSIGNMENT

WHEREAS, The BOC Group plc, an English corporation, having its principal office and place of business at Chertsey Road, Windlesham, Surrey GU20 6HJ, United Kingdom (hereinafter "Assignor") is the owner of the patents and patent applications identified on the attached Schedule A;

WHEREAS pursuant to Section 5.08(a) of the Cooperation Agreement dated September 30, 2002 by and between in part The BOC Group plc and Linde AG, The BOC Group, Inc. has offered to Linde AG the opportunity to prosecute or maintain the said patents and patent applications:

WHEREAS Linde AG, a German Aktiengesellschaft, having its office and principal place of business at Dr. -Carl-von-Linde-Str. 6-14, 82049 Hoellriegelskreuth, Germany (hereinafter "Assignee") is desirous of acquiring said patents and patent applications:

NOW THEREFORE TO WHOM IT MAY CONCERN, be it known that for good and valuable consideration, the receipt of which is hereby acknowledged by said Assignor, said Assignor by these presents does hereby sell, assign, and transfer to Assignee, its successors and assigns, as of June 30, 2004 its entire right, title and interest in and to said patents, and in and to any and all reissues or extensions thereof.

[Company Seal]

The BOC Group plc

By:

Eamon Connolly  
General Counsel - Intellectual Property

SEAL No. 11964

ATTEST:

STATE OF New Jersey

COUNTY OF Union

DIRECTOR

ACTING SECRETARY

On this 30th day of June, 2004, before me, a notary public within and for said County, personally appeared Eamon Connolly, to me personally known, who being by me duly sworn on oath did say that he is General Counsel of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors and said acknowledged said instrument to be the free act and deed of said corporation.

Notary Public

[Seal]

HARRIETTE L. MITCHEM  
Notary Public of New Jersey  
My Commission Expires November 9, 2004

PATENT  
REEL: 015478 FRAME: 0064

## SCHEDULE A

CaseNumber	InvTitle	Country	FileDate	AppNumber	IssDate	PatNumber
90B140-3	DOUBLE COLUMN INTERNAL COMPRESSION CYCLE	CA	1/7/1992	2058847-1	10/8/2002	2058847
90B140-3	DOUBLE COLUMN INTERNAL COMPRESSION CYCLE	GB	1/14/1992	9200736.8	3/8/1995	2251931
90B140-3	DOUBLE COLUMN INTERNAL COMPRESSION CYCLE	TH	1/14/1992	015255		
90B140-3	DOUBLE COLUMN INTERNAL COMPRESSION CYCLE	US	1/10/1992	819257	8/24/1993	5237822
96B113	ARGON-FREE OXYGEN PRODUCTION	CN	4/4/1997	97113083.9	1/8/2003	ZL97113083
96B113	ARGON-FREE OXYGEN PRODUCTION	EP	3/21/1997	97301948.2		
96B113	ARGON-FREE OXYGEN PRODUCTION	JP	4/4/1997	86601/97		
96B113	ARGON-FREE OXYGEN PRODUCTION	US	4/2/1997	828905	7/27/1999	5928408
96B113	ARGON-FREE OXYGEN PRODUCTION	US	3/25/1999	276373	7/18/2000	6089041
96B143	DEPHLEGMATOR: STRUCTURED PACKING	EP	7/24/1996	96305415.0		
96B143	DEPHLEGMATOR: STRUCTURED PACKING	JP	7/29/1996	199013/96		
96B143	DEPHLEGMATOR: STRUCTURED PACKING	US	7/24/1996	690268	3/3/1998	5722258
96B181	INTERMEDIATE FLASH: VAPOUR EXPANSON	EP	10/13/1997	97308087.4		
97B124	INTERMEDIATE FLASH: VAPOUR COMPRESSION	EP	5/27/1998	98304183.3		
97B124	INTERMEDIATE FLASH: VAPOUR COMPRESSION	US	5/29/1998	088632	3/30/1999	5887447

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Vorstehende Abschrift stimmt mit der Urschrift  
überein.

I hereby certify that the above is a true copy  
of the original.

München, den 28.10.2004  
Munich, this October 28th, 2004



- Reeh/ - Notar  
Notary