

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5672354

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the NATURE OF CONVEYANCE previously recorded on Reel 049762 Frame 0648. Assignor(s) hereby confirms the NUNC PRO TUNC ASSIGNMENT EFFECTIVE DATE 02/25/2019.

**CONVEYING PARTY DATA**

Name	Execution Date
THE BOC GROUP PLC	07/08/2019

**RECEIVING PARTY DATA**

<b>Name:</b>	LINDE AKTIENGESELLSCHAFT
<b>Street Address:</b>	KLOSTERHOFSTR. 1
<b>City:</b>	MUNICH
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	80331

**PROPERTY NUMBERS Total: 9**

Property Type	Number
Patent Number:	6312651
Patent Number:	6287535
Patent Number:	6241897
Patent Number:	6919059
Patent Number:	6893620
Patent Number:	7396503
Patent Number:	7591876
Patent Number:	8142543
Patent Number:	8470169

**CORRESPONDENCE DATA****Fax Number:**

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** 9087716167

**Email:** patents@messer-us.com

**Correspondent Name:** MESSER NORTH AMERICA, INC.

**Address Line 1:** 200 SOMERSET CORPORATE BLVD

**Address Line 2:** SUITE 7000

**Address Line 4:** BRIDGEWATER, NEW JERSEY 08807

PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	BOC PLC TO LINDE AG #2
<b>NAME OF SUBMITTER:</b>	JOSHUA L. COHEN
<b>SIGNATURE:</b>	/Joshua L. Cohen/
<b>DATE SIGNED:</b>	08/16/2019

**Total Attachments: 5**

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<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5619812

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THE BOC GROUP PLC	07/08/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LINDE AKTIENGESELLSCHAFT
<b>Street Address:</b>	KLOSTERHOFSTRASSE 1
<b>City:</b>	MUNICH
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	80331
<b>PROPERTY NUMBERS Total: 9</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	6312651
Patent Number:	6287535
Patent Number:	6241897
Patent Number:	6919059
Patent Number:	6893620
Patent Number:	7396503
Patent Number:	7591876
Patent Number:	8142543
Patent Number:	8470169
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(908)771-6402
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	9087716402
<b>Email:</b>	PHILIP.VONNEIDA@LINDE.COM
<b>Correspondent Name:</b>	PHILIP H. VON NEIDA
<b>Address Line 1:</b>	200 SOMERSET CORP. BLVD.
<b>Address Line 2:</b>	SUITE 6000
<b>Address Line 4:</b>	BRIDGEWATER, NEW JERSEY 08807
<b>ATTORNEY DOCKET NUMBER:</b>	BOC PLC TO LINDE AG #2
<b>NAME OF SUBMITTER:</b>	CHRISTINE CONNOLLY

505573014

PATENT

REEL: 049762 FRAME: 0648  
 REEL: 050078 FRAME: 0014

<b>SIGNATURE:</b>	/CHRISTINE CONNOLLY/
<b>DATE SIGNED:</b>	07/16/2019
<b>Total Attachments: 3</b>	
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ASSIGNMENT #2

WHEREAS,

The BOC Group PLC (also known as The BOC Group Limited), a company organized under the laws of England and Wales, having a registered address of 10 Priestley Road, Guildford, Surrey, England,

hereinafter referred to as the ASSIGNOR, is the current record owner of the entire right, title and interest in and to the U.S. patent and/or U.S. patent application numbers listed on the attached EXHIBIT A which is made a part hereof, the inventions covered thereby, the application(s) from which said patent issued and all U.S. and foreign and international treaty priority rights claimed therein or corresponding thereto, as well as all continuation and divisional applications claiming benefit of any of said applications;

AND WHEREAS,

Linde Adliengesellschaft (also known as Linde AG), a stock corporation organized under the laws of the Federal Republic of Germany, having a registered address of Klosterhofstraße 1, 80331 Munich, Germany,

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to that which is set forth in the attached EXHIBIT A, said inventions, said patents including any and all renewals, reissues and prolongations thereof, and said patent applications, as well as all U.S. continuation and divisional applications claiming benefit of any of said applications, and foreign and international treaty priority rights claimed therein or corresponding thereto, including the right to enforce, pursue, obtain relief, defend any and all causes of action or suits and/or other legal proceedings under or in relation to said patents and patent applications for infringement or other causes of action arising from ownership whether occurring herebefore, on or after the date of this Assignment, and to recover damages and profits for past, present and future infringements thereof or other causes of action arising from ownership.

NOW, THIS WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, conveys and transfers, *nunc pro tunc*, effective February 25, 2019 (the "Effective Date") to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said inventions, said patents including any and all renewals, reissues and prolongations thereof, and said patent applications set forth in the attached EXHIBIT A, as well as all U.S. continuation and

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PATENT

REEL: 049 PATENT NAME: 0650

REEL: 050078 FRAME: 0016

divisional applications claiming benefit of any of said applications, and foreign and international treaty priority rights claimed therein or corresponding thereto, including the right to enforce, pursue, obtain relief, defend any and all causes of action or suits and/or other legal proceedings under said patents and patent applications for infringement or other causes of action arising from ownership whether occurring heretofore, on or after the Effective Date of this Assignment, and to recover damages and profits for past, present or future infringements thereof or other causes of action arising from ownership, ASSIGNEE and its assigns and legal representatives to have, hold, exercise, and enjoy said inventions, patents including any and all renewals, reissues, and prolongations thereof, and said patent applications set forth in the attached EXHIBIT A, as well as all U.S. continuation and divisional applications claiming benefit of any of said applications, and foreign and international treaty priority rights claimed therein or corresponding thereto, with all the rights, powers, privileges and advantages in anyway arising from or appertaining thereto, for and during the term or terms of said patents, said patent applications and any future patents issuing from said applications, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner in all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if this Assignment had not been made.

ASSIGNOR hereby authorizes the Commissioner for Patents in the United States Patent and Trademark Office and the officials of corresponding offices or agencies in any applicable jurisdictions to record and register this Assignment upon request by ASSIGNEE, and to have any patent issuing thereon be in the name selected by ASSIGNEE.

IN WITNESS WHEREOF, the ASSIGNOR and ASSIGNEE have caused this Assignment to be duly executed and entered into as of the Effective Date.

The BOG Group PLC

Date: 8/7/19  
Name: SARAH RICHMOND  
Title: ASSOCIATE LEGAL  
COUNSEL, IP

*S. Richmond*

Linde Aktiengesellschaft

Date: 05. July 2019  
Name: Bernd Gellner  
Title: Senior Counsel IP

Date: 8/7/19  
Name: Christoph Zalm  
Title: Senior Counsel IP

2 of 3

Assignment #2

*8/7/19*  
*8/7*

PATENT

REEL: 049562 FRAME: 0651

REEL: 050078 FRAME: 0017

EXHIBIT A

Patent No.	Priority Date	US Patent No.
070101_C1-US	02/14/87	US 0512551
080102_B1-US	08/04/29	US 0287835
080103_US	08/04/87	US 0201897
M000120-US(WO)	10/03/44	US 0910069
M000121-US(WO)	10/06/42	US 0803220
M020119-US(WO)	10/02/88	US 7398900
M020121-US(WO)	10/02/87	US 7501878 B2
M020123-US(WO)	10/02/86	US 8142543 B3
M020114-US(WO)	12/02/80	US 0470169 B2

Assignment #2

3 of 3

*Handwritten initials/signature*

PATENT

RECORDED: 07/16/2019  
RECORDED: 08/16/2019

REEL: 0497A1 ENAME: 0652  
REEL: 050078 FRAME: 0018