06-21-2002 U.S. Department of Commerce FORM PTO-1619A Patent and Trademark Office Expires 06/30/99 **PATENT** EET 102130837 The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies). **S**ubmission Type Conveyance Type Assignment Assignment Security Agreement Resubmission (Non-Recordation License Change of Name Document ID# ☐ Other Correction of PTO Error ☐ Reel# Frame U.S. Government (For Use ONLY by U.S. Government Agencies) Corrective Document Frame Reel# Departmental File Secret File Conveying Party(ies) Mark if additional names of conveying parties attached Execution Date Month Day Year Name (line 1) 27 2002 Gerhard Name (line 2) POMPL Execution Date Second Party Day Name (line 1) Name (line 2) Mark if additional names of receiving parties attached **Receiving Party** LINDE AKTIENGESELLSCHAFT Name (line 1) If document to be recorded is an assignment and the receiving party is not Name (line 2) domiciled in the United States, an appointment of a domestic representative is attached. Address (line 1) Abraham-Lincoln-Strasse 21 (Designation must be a separate document from Assignment.) ^ddress (line 2) **GERMANY** 65189 Address (line 3) WIESBADEN Zip Code State/Country Enter for the first Receiving Party only. **Domestic Representative Name and Address** Millen, White, Zelano & Branigan, P.C. Address (line 1) 2200 Clarendon Boulevard Address (line 2) Suite 1400 Address (line 3) Arlington, VA 22201 Address (line 4) FOR OFFICE USE ONLY Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Palent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS **ADDRESS** 

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Name	Name Millen, White, Zelano & Branigan, P.C.					
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I. William Miller	n	I Miller Buller	June 17, 2002			
Name of Person Signing Signature Date						

## **ASSIGNMENT**

ATTY, DOCKET NO.:LINDE-585

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement(s) relating to

	The state of the s
	for which an application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.
$\boxtimes$	for which U.S. Application Serial No. 10/102,010 for Letters Patent was filed in the U.S. Patent and Trademark Office on March 21, 2002
	for which an International Application was filed on as , designating the United States.
	AND WHEREAS
	LINDE AKTIENGESELLSCHAFT Abraham-Lincoln-Strasse 21

THREE-COLUMN SYSTEM FOR THE LOW-TEMPERATURE FRACTIONIATION OF AIR

any and all renewals, reissues, reexaminations and extensions thereof.

65189 Wiesbaden
GERMANY
heremafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application(s), including any

NOW, WITNESSETII that for good and valuable consideration, the receipt whereof is hereby acknowledged. ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application(s), including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all U.S. (including provisional) or foreign priority an lor convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto concerning said invention. SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

and all earlier priority rights (U.S. and foreign), divisions and continuations thereof, and any and all Letters Patent which n ay be granted thereon, including

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan. P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR

201 FULL NAME OF SOLE OR FIRST NAMED INVENTOR	INVENTOR'S STONATURE	DATE
Gerhard POMPL	(SCATOOL (Build	27/5/07
92 FULL NAME OF SECOND JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
203 FULL NAME OF THIRD JOINT INVENTOR	INVENTOR'S SIGNATURE	DATI
204 FULL NAME OF FOURTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
205 FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
206 FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATI.
207 FULL NAME OF SEVENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
208 FULL NAME OF EIGHTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
209 FULL NAME OF NINTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATI
210 FULL NAME OF TENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DAH.

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