FORM PTO-15:55	ECORDA	02-04-1999	From:			
Modified .29.99	P.		PRAXAIR TECHNOLOGY, INC.			
To the Honorable Commissioner of	atems and	100957521	nal documents or copy thereof.			
1. Name of conveying party(ies): Dante Patrick Bonaquist, Bayram Arman Joseph Alfred Weber, Walter Joseph Olszewski and Mark Edward Additional name(s) of conveying party(ies) attached? No Nature of conveyance:		PRAXAIR TECHNOLOGY 39 Old Ridgebury I Danbury, CT. 06810	2. Name and address of receiving party(ies) PRAXAIR TECHNOLOGY, INC. 39 Old Ridgebury Road Danbury, CT. 06810-5113 United States of America			
Execution Date: December 18 8	a 21, 1998	Additional name(s) & addres	Additional name(s) & address(es) attached? □ Yes ᡌ No			
4. Application number(s) or patent nu	ımber(s):					
If this document is being filed toge	ther with a new app	olication, the execution date of the ap	oplication is:			
A. Patent Application No.(s) Serial No. 09/222,807 Filed: 12/30/98		B. Patent No.(s)				
Additional numbers attached? Yes 1 No						
Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applicat	6. Total number of applications and patents involved:			
Hiss Joann M. Jelsa PRAXAIR, INC. Law Department - Ml 557 39 Old Ridgebury Road Danbury, CT. 06810-5113		7. Total fee (37 CFR 3.41	7. Total fee (37 CFR 3.41)\$_40.00			
		8 Authorized to be ch	Authorized to be charged to deposit account			
		8. Deposit account number	er:			
03/1999 JSHABAZZ 00000081 162440 09222807 FC:581 40.00 CH			(Attach duplicate copy of this page if paying by deposit account)			
	DOI	NOT USE THIS SPACE				
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 copy of the original document. Stanley Ktorides Name of Person Signing Signature Statement and signature. The copy of the correct and any attached copy is a true copy of the original document. Stanley Ktorides Signature Only Date						
	otal number of pages in	ncluding cover sheet, attachments, and docur	ment:			

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

REEL: 9735 FRAME: 0198

ASSIGNMENT OF INVENTION, PRIORITY RIGHTS AND RIGHTS TO APPLY FOR PATENTS

we, the undersigned, Dante Patrick Bonaquist, Bayram Arman, Joseph Alfred Weber,
Walter Joseph Olszewski and Mark Edward Vincett, Engineers and Citizens of the United States of
America, residing at 1036 Ransom Road, Grand Island, New York 14072; 16 The Commons,
Grand Island, New York 14072; 47 Allendale Road, Cheektowaga, New York 14225;
69 Willow Lane, Amherst, New York 14228 and 37 Madison Street, Lancaster, New York 14086,
respectively,
HEREBY STATE UNDER OATH that we are the original, first and true inventors of an invention for CRYOGENIC RECTIFICATION SYSTEM WITH HYBRID REFRIGERATION GENERATION
as described and/or claimed in our application for Letters Patent in the United States of America,
executed on the 18 day of 1998, (Docket No. D-20691).

NOW, THEREFORE, in consideration of our employment by Praxair, Inc. manufacturers, a corporation organized and existing under the laws of the State of Delaware, United States of America, having an office at 39 Old Ridgebury Road, Danbury, Connecticut 06810-5113, United States of America, and in fulfillment of our pre-existing obligation of assignment to our employer,

WE DO HEREBY ASSIGN, TRANSFER AND SELL our entire right, title, and interest in and to said invention and application unto

PRAXAIR TECHNOLOGY, INC.

technology licensors, a corporation organized and existing under the laws of the State of Delaware, United States of America, its successors and nominees, having an office at 39 Old Ridgebury Road, Danbury, Connecticut 06810, United States of America and being a wholly owned subsidiary of the said Praxair, Inc., as the Assignee, without any restrictions, reservations or limitations, the entire right, title and interest in and to the aforesaid application for Letters Patent and all patents which may be granted thereon, and all divisions, continuations, continuations-in-part, reissues and extension thereof;

INCLUDING ALL RIGHTS in and to said invention in any country of the world, including, but not limited to, all priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and for any and all member countries of the aforesaid International Convention;

AND FURTHER INCLUDING THE SOLE RIGHT to file such applications under the Patent Laws of any country of the world in its name and/or ours, and the sole right to have patents granted on said applications in its name and/or ours to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment not been made, and to enforce said patents with our right to sue in any court of competent jurisdiction and obtain all remedies available, including but not limited to injunctions and to recover lost profits or compensatory and enhanced damages and attorneys fee for any and all infringements thereof,

AND AUTHORIZE our attorney of record to insert below in this instrument the serial number and filing date of said application;

- 1 -

AND AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue all patents on said invention resulting therefrom to said PRAXAIR TECHNOLOGY, INC. as Assignee of the entire right, title and interest, and covenant that we have the full right so to do, and agree that we will communicate to said PRAXAIR TECHNOLOGY, INC. or its representatives any facts known to us respecting said invention and testify in legal proceedings, sign all lawful papers, execute all divisional, continuing, continuation-in-part, extensions and reissue applications, make all rightful oaths and generally do everything possible to aid said PRAXAIR TECHNOLOGY, INC. its successors, assigns, or nominees, to obtain and enforce proper protection for said invention in all countries.

SIGNED AND SEALED AT	cnowanda, Ny this 21
day of	<u> </u>
WITNESSES:	
1. Ann Achanga.	
0	Bayoun annan
10:00	RAVRAM ARMAN
2. Julie a. Dammen	<u> </u>
State of Vew Volk	
State of New York County of Erie)) ss:
	_
This day of 1	$\frac{1998}{}$, before me personally came the
above-named Bayram Arman personally known as the individual who exe	to me ecuted the foregoing assignment, who has acknowledged to
	own free will for the purposes therein set forth.
	Notary Public
(See)	HOES A CEMBAIN
(Seal)	Notary Public, State of New York
	My Commission Expires 1191
SIGNED AND SEALED AT G	marria nda 104 this 18
day of	<u>8</u> .
WITNESSES:	
1. D) Claran	Joseph alfred Water
/	
2. The a Dominin	JOSEPH ALFRED WEBER
State of New York)
State of New York County of Elec)) ss:
	, 19 7 %, before me personally came the
above-named Joseph Alfred Weber	to
me personally known as the individual who	executed the foregoing assignment, who has acknowledged
to me that he/she executed the same of his/	her own free will for the purposes therein set forth.
	Notary Public
(Seal)	Notary Public
	JULIE A. DEMMIN
	Notary Public, State of New York Ouglified in Frie County
	My Commission Expires 4/5/3

PATENT REEL: 9735 FRAME: 0201

SIGNED AND SEALED AT	awarda Ny this 21
day of	,
WITNESSES: 1. Ann Achanza.	1345 000
2. Julie a-Demmin	WALTER JOSEPH OLSZEWSKI
State of New York) County of Ena) ss:	
	, 19 7 kg, before me personally came the
above-named Walter Joseph Olszewski personally known as the individual who executed to me that he/she executed the same of his/her own from the same of his/her o	to me the foregoing assignment, who has acknowledged to ree will for the purposes therein set forth.
	Notary Public
(Seal)	JULIE A. DEMMIN Notary Public, State of New York Qualified in Erie County My Commission Expires H15/99
day of, 19 18.	this 2
WITNESSES: 1. Aun Achanga. 2. Que a-Dominio	Mark Edward Vincett
State of Vers York) County of Ene)	
· _	, 19 <u>8</u> , before me personally came the
above-named Mark Edward Vincett personally known as the individual who executed me that he/she executed the same of his/her own fr	to me the foregoing assignment, who has acknowledged to ree will for the purposes therein set forth.
	Notary Public
(Seal)	JULIE A. DEMMIN Notary Public, State of New York Qualified in Erie County My Commission Expires 4/5/99

PATENT REEL: 9735 FRAME: 0202

ACCEPTANCE

WE, the undersigned, PRAXAIR TECHNOLOGY, INC. of 39 Old Ridgebury Road, Danbury, Connecticut 06810, United States of America, do hereby declare that we have accepted the foregoing assignment.

	Danbury, Connecticut, U.S.A.	January 27		_, 19 <u>99</u>
(Seal)		PRAXA	IR TECHNOLOC	Y, INC.
Soft	Contu	By: Joann M Authoriz	<u>M</u> Jel . Jelsa ted Agent	20
Witness:	a Comment			
The application identified above as Docket No. D-20691 was filed in the				
	Patent and Trademark Office on _	December 30	, 19_ <mark>98</mark>	_ and was given
	09/222,807 27th was made by me this	 day of	January	, 19
		_	Souley	Kroudes
			Attorne ∮ l Stanley K	For Applicants torides

RECORDED: 01/29/1999