

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Yu H. Chen	01/16/2008
Suresh Duraisamy	01/16/2008
Lucy Yi Liu	01/16/2008
Jason Scarcella	01/16/2008
Zvonko Asprovski	01/16/2008
Kursten Lamendola	01/17/2008
Biswajit Mitra	06/02/2008
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Carrier Corporation
<b>Street Address:</b>	One Carrier Place
<b>City:</b>	Farmington
<b>State/Country:</b>	CONNECTICUT
<b>Postal Code:</b>	06034
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12863060
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(315)425-9114
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<b>Correspondent Name:</b>	MARJAMA MULDOON BLASIAK & SULLIVAN LLP
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<b>ATTORNEY DOCKET NUMBER:</b>	210_1140; 7629

CH \$40.00 12863060

**501233715**

**PATENT**  
**REEL: 024691 FRAME: 0329**

NAME OF SUBMITTER:

William W. Habelt

Total Attachments: 5

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## JOINT ASSIGNMENT

We Yu H. Chen, Suresh Duraisamy, Lucy Yi Liu, Jason Scarcella, Zvonko Asprovski, Kursten Lamendola, Biswajit Mitra, believe that we are the inventors of the subject matter disclosed in the application for patent (hereinafter "the invention or inventions") identified herein as

### CARBON DIOXIDE REFRIGERANT VAPOR COMPRESSION SYSTEM

and further identified by Attorney Docket Number 210\_1140PCT.

- for which the undersigned has executed an application for patent in the United States of America on \_\_\_\_\_ and transmitted herewith.
- which application for patent was filed on \_\_\_\_\_ and has been assigned \_\_\_\_\_ by the United States Patent and Trademark Office.

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which is hereby acknowledged, each of the undersigned agrees to assign, and hereby does assign, transfer and set over to Carrier Corporation, a corporation incorporated in the State of Delaware, and having a principal place of business at One Carrier Place, Farmington, CT 06034, (hereinafter designated as the Assignee) his or her entire right, title and interest in the invention or inventions as represented by the application for patent identified herein (the "application") in the United States, its territories, dependencies and possessions, his or her entire right, title, and interest in the application, and his or her entire right, title and interest in the invention or inventions as regards all other national jurisdictions and international entities that have the power to grant patents, wherever situated, including without limitation all applications for patent which claim priority to and/or the benefit of the subject matter disclosed in the application for patent identified herein, including any provisional application, utility application, design application, and/or plant application, as well as any continuation application, divisional application, continuation-in-part application, reissue application, reexamination application, patent interference proceeding, foreign national application and/or any application filed or to be filed under a patent treaty such as the International Convention for Protection of Industrial Property and/or the Patent Cooperation Treaty, and any Letters Patent which may be granted therefor in any jurisdiction.

In addition to the above assignment, each of the undersigned agrees to execute all papers necessary in connection with the application and any continuing applications, divisional applications, or continuations-in-part thereof, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

Each of the undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

Each of the undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

Each of the undersigned agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United States Patent to the Assignee.


Each of the undersigned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed and will not execute, any agreement in conflict herewith.

Each of the undersigned hereby grants to any duly empowered legal representative, including specifically all patent practitioners associated with the Customer No. 20874, 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 or with the rules of any other national or international Patent Office for recordation of this document or a true copy thereof.

In witness whereof, this instrument has been executed by the undersigned on the date opposite the respective name of the undersigned.

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. or (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses.

Date 1-16-08

Signature  (SEAL)  
Yu H. Chen  
4745 Edgeworth Drive  
Manlius, NY 13104


Date 04/16/08

Notary/Witness 


Date \_\_\_\_\_

Notary/Witness \_\_\_\_\_

Date 1-16-08

Signature  (SEAL)  
Suresh Duraisamy  
4046 Plum Yew Circle  
Liverpool, NY 13090

Date 04/16/08

Notary/Witness 

Date \_\_\_\_\_

Notary/Witness \_\_\_\_\_

Date 1/16/08 Signature [Signature] (SEAL)  
Lucy Yi Liu  
5003 Saddlebrook Drive  
Fayetteville, NY 13066

Date 01/16/08 Notary/Witness [Signature]  
Date \_\_\_\_\_ Notary/Witness \_\_\_\_\_

Date 1/16/08 Signature [Signature] (SEAL)  
Jason Scarcella  
8334 Angler's Club  
Cicero, NY 13039

Date 01/16/08 Notary/Witness [Signature]  
Date \_\_\_\_\_ Notary/Witness \_\_\_\_\_

Date 1/16/08 Signature [Signature] (SEAL)  
Zvonko Asprovski  
7730 Treeline Drive  
Liverpool, NY 13090

Date 01/16/08 Notary/Witness [Signature]  
Date \_\_\_\_\_ Notary/Witness \_\_\_\_\_

Date 01/17/08 Signature [Signature] (SEAL)  
Kursten Lamendola  
913 Tuscarora Road  
Chittenango, NY 13037

Date 01/17/08 Notary/Witness [Signature]  
Date \_\_\_\_\_ Notary/Witness \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_ (SEAL)

Biswajit Mitra  
201 Grenadier Drive  
Apt. F  
Liverpool, NY 13090

Date \_\_\_\_\_

Notary/Witness \_\_\_\_\_

Date \_\_\_\_\_

Notary/Witness \_\_\_\_\_

Date 06/02/08

Signature *Biswajit Mitra* (SEAL)  
Biswajit Mitra  
3236 Whitcomb Street  
Charlotte, NC 28269

Date 06/02/08

Notary/Witness *Candice Harrington*  
Notary/Witness \_\_\_\_\_

**CANDICE HARRINGTON**  
Notary Public  
Cabarrus County, NC  
My Commission Expires Sept. 17, 2011