

04-15-2005



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1. Name of conveying party(ies)/Execution Date(s):	2. Name and address of receiving party(ies):				
Timothy P. Galante, Sivakumar Gopalnarayanan, Don A. Shuster, Craig R. Kersten and Larry Burns Execution Date(s) January 4, 2005, January 4, 2005, December 21, 2004, December 30, 2004 and April 4, 2005 Additional name(s) of conveying party(ies) attached Yes No. 3. Nature of Conveyance: Assignment Merger Change of Name Government Interest Assignment Executive Order 9424, Confirmatory License Other	Name: Carrier Corporation Address: 1 Carrier Place Farmington, CT 06034 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) 11/025,352 B. Patent No.(s) Additional Numbers attached? ☐ Yes ☒ No					
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved: 1				
concerning this document should be mailed:	7. Total fee (37 CFR 1.21(h) & 341) \$40.00				
Name: Dana F. Bigelow Address: WALL MARJAMA & BILINSKI LLP	Authorized to be charged by credit card Authorized to charge any deficiency or credit any over payment to Deposit Account No. 03-0835. □ Enclosed □ None required (government interest not affecting title)				
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Facsimile: (315) 425-9114	Expiration Date				
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9. Signature:	A				
Dana F. Bigelow	April 11, 2005 Date				
Reg. No. 26,441	Total number of pages including cover sheet,				
	attachments, and documents: 6				

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04/14/2005 ECOOPER 00000293 030835 11025352

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JOINT ASSIGNMENT

We, Timothy P. Galante, Sivakumar Gopalnarayanan, Don A. Shuster, Craig R. Kersten and Larry Burns believe that we are the inventors of the subject matter disclosed in the application for patent (hereinafter "the invention or inventions") identified herein as

DUAL THERMOCHROMIC LIQUID CRYSTAL TEMPERATURE SENSING FOR REFRIGERANT CHARGE INDICATION

and further identified by Attorney Docket Number 210 708.

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for which the undersigned has exec of America on	cuted an application for patent in the United and transmitted herewith.	States
**	led on <u>December 27, 2004</u> and has been the United States Patent and Trademark Off	fice.

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 1 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.

Joint Assignment
Attorney Docket No.: 210_708

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 Thomas J. Wall, Owen D. Marjama, Peter J. Bilinski, George S. Blasiak, Robert E. Purcell, Dana F. Bigelow, Indranil Mukerji, Joseph B. Milstein, R. Stephen Rosenholm, James R. Muldoon, Joel Stettenheim and Thomas T. Aquilla of WALL MARJAMA & BILINSKI LLP, 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 1/4/05 Signature (SEAL)

Timothy P. Galante

Notary/Witness (SEAL)

Notary/Witness (SEAL)

Date (1/4/05 Notary/Witness (SEAL)

Date (1/4/05 Notary/Witness (SEAL)

Date (SEAL)

Signature (SEAL)

Sivakumar Gopalnarayanan

Notary/Witness (SEAL)

Notary/Witness (SEAL)

Sivakumar Gopalnarayanan

Date (1/4/05 Notary/Witness (SEAL)

Notary/Witness (SEAL)

Notary/Witness (SEAL)

Sivakumar Gopalnarayanan

Attorney Docket No.: 210_708	
Date 17:- 21-2001	Signature Don A. Shuster (SEAL)
Date 12-21-2004	Notary/Witness Neume Pette per
Date 12 - 21 - 2004	Notary/Witness Meanne fatte per
Date	Signature (SEAL) Craig R. Kersten
Date	Notary/Witness
Date	Notary/Witness
Date	Signature (SEAL) Larry Burns
Date	Notary/Witness
Date	Notary/Witness

Joint Assignment

Joint Assignment Attorney Docket No.: 210_708		
Date	Signature(Don A. Shuster	SEAL)
Date	Notary/Witness	
Date	Notary/Witness	-
Date 12-30.04	Signature Craig R. Kersten	SEAL)
Date 12-30-64	Notary/Witness + Lill	
Date 1-4-05 Commission expires:	Notary/Witness Kuthleen G.OKe Kathleen G. OKeefe - Mar 2008	for Ly, IN
Date	Signature(S	SEAL)
	Larry Burns	
Date	Notary/Witness	

Notary/Witness_____

Date_____

Attorney Docket No.: 210_708		
Date	Signature	(SEAL)
	Don A. Shuster	
Date	Notary/Witness	
Date	Notary/Witness	
Date 12-30-04	Signature Craig R. Kersten	(SEAL)
Date 12-30-64	Notary/Witness \\Lambda \Lambda \	
Date 1-4-25 Commission expires:	Notary/Witness Kuthleen G.OK.	offer Chy. In
Date 4/4/05	Signature ANVIN BUNNS	(SEAL)
Dec 1/1/105	Larry Burns	Was I
Date	Notary/Witness //cfoR14 Wtather	y ord
	Notary/Witness // CtoR14 Wtather State J. Indiana County J. Macion 108	

Joint Assignment

RECORDED: 04/11/2005