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103264225 PATENTS ONLY

Attorney Docket No. 210_880
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Form PTO-1595
(Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

(1) James J. Minard (3) Peter F. McNamee
(2) Mark E. Bush

Additional name(s) of conveying parties attached? Yes No.

3. Nature of conveyance/Execution Date(s):

Execution Date(s): 1. 6/2/06; 2. 6/2/06; 3. 6/2/06

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

2. Name and address of receiving party(ies):

Name: Carrier Corporation

Internal Address: _____

Street Address: One Carrier Place

City: Farmington State: CT

Country: US Zip: 06034

Additional name(s) and address(es) attached? Yes No

4. Application number(s) or patent number(s): _____

This document is being filed together with a new application.

A. Patent Application No(s): 11/394,916 filed March 31, 2006

B. Patent No(s): _____

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Duan Wu
 Internal Address: WALL MARJAMA & BILINSKI LLP
 Street Address: 101 South Salina Street, Suite 400
 City: Syracuse State: New York Zip: 13202
 Telephone: (315) 425-9000
 Fax: (315) 425-9114
 Email Address: dwu@wallmarjama.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41):\$40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed - Charge Authorization (Fee Transmittal)
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Duan Wu
Name of Person Signing
Atty. Reg. No. 56,647

Signature

June 20, 2006
Date

Total number of pages including cover sheet, attachments, and documents: _____

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services
Director of the USPTO
P.O. Box 1450
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JOINT ASSIGNMENT

We James J. Minard; Mark E. Bush; and Peter F. McNamee, believe that we are the inventors of the subject matter disclosed in the application for patent (hereinafter "the invention or inventions") identified herein as

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and further identified by Attorney Docket Number 210_880.

- for which the undersigned has executed an application for patent in the United States of America on March 31, 2006 and has been given Serial No. 11/394,916.
- for which an International application for patent under the Patent Cooperation Treaty ("PCT") was filed on _____, in the Receiving Office of the United States Patent and Trademark Office and has been assigned Serial No. _____.

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 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, Joseph M. Geller, William W. Habelt, Denis J. Sullivan, Richard J. Roos, Duan Wu, and Anne Schneiderman 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 6.2.06

Signature *James J. Minard*
James J. Minard

Date 2/June/2006

Notary/Witness *Sandra L Zahn* (SEAL)

Date _____

Notary/Witness _____ (SEAL)

Date 6.2.06

Signature *Mark E. Bush*
Mark E. Bush

Date 2/June/2006

Notary/Witness *Sandra L Zahn* (SEAL)

Date _____

Notary/Witness _____ (SEAL)



Date 6-2-06

Signature *Peter F. McNamee*
Peter F. McNamee

Date 2/June/2006

Notary/Witness *Sandra L Zahn* (SEAL)

Date _____

Notary/Witness _____ (SEAL)

