

12-15-1998

Docket No. 3697-IR-FS

To the Assistant Commissioner for

nal documents or copy thereof.



100922083

1. Name of conveying party(ies):

Aaron B. Attwood
Joseph J. McDermott
Anthony D. Andre
David S. Tu
Scott Maddux
Matthew D. Bantly
David Mathieu

Address of receiving party(ies)

Name: Ingersoll-Rand Company

Internal Address: _____

Street Address: 200 Chestnut Ridge Road

City: Woodcliff Lake State: NJ ZIP: 07675

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

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

3. Nature of conveyance:

Assignment - 7 sheets Merger
 Security Agreement Change of Name
 Other _____

Execution Dates: 11/10/98; 11/10/98; 12/02/98; 11/05/98;

12/02/98; 11/30/98; 12/03/98

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

If the document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) B. Patent No.(s)
29/093,927
Filing Date: September 22, 1998

Additional numbers attached? Yes No

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

Name: Leon Nigohosian, Jr.

Internal Address: Patent Department

Ingersoll-Rand Company

Street Address: 942 Memorial Parkway

City: Phillipsburg State: NJ ZIP: 08865

6. Total number of applications and patents involved:

one

7. Total fee (37 CFR 3.41) \$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

09-0260

12/14/1998 380448 00000197 050260 2909392

FC 581 03.06 CH

DO 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.

Leon Nigohosian, Jr.
Name of Person Signing
Reg. No. 39,791

Leon Nigohosian, Jr.
Signature

December 8, 1998
Date

Total number of pages including cover sheet, attachments, and document: eight

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

AARON B. ATTWOOD, 3712 EAGLE ROAD, SLATINGTON, PA 18080; JOSEPH J. MCDERMOTT, 18 BARBERRY LANE, EASTON, PA 18045; ANTHONY D. ANDRE, 1460 ELWOOD DRIVE, LOS GATOS, CA 95032; DAVID S. TU, 4722 IRVING STREET, SAN FRANCISCO, CA 94122; SCOTT MADDUX, 675 CASTRO STREET, SAN FRANCISCO, CA 94114; MATTHEW D. BANTLEY, 1232 LOUDEN STREET, CINCINNATI, OHIO 45202, AND DAVID MATHIEU, 11 GLOVER PLACE, MIDDLETOWN, CT 06457

hereby sell and assign to INGERSOLL-RAND COMPANY (hereinafter called the ASSIGNEE), a Corporation organized and existing under the laws of the state of NEW JERSEY having its principal place of business at:

200 CHESTNUT RIDGE ROAD
WOODCLIFF LAKE, NJ 07675

its successors, assigns, nominees, or other legal representatives, the entire right, title and interest in and to the DESIGN titled:
HOUSING ENCLOSURE FOR A MICROPROCESSOR CONTROLLER

invented by us and the application for United States PATENT (defined below) therefor, and all original and reissued PATENTS granted therefor, and all divisions and continuations thereof, including the subject-matter(s) of any and all claims which may be obtained in every such PATENT, and the right to apply for and obtain PATENTS in countries foreign to the United States, and in and to any PATENTS which may be granted thereon in such foreign countries, and authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue PATENTS, to issue the said PATENTS to the said ASSIGNEE, its successors, assigns, nominees or other legal representatives, as assignee of the entire interest, and covenant that we have full right to convey the entire interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith, and agree that we will communicate to said ASSIGNEE, its successors, assigns, nominees or other legal representatives, all facts known to us respecting said INVENTION, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for such divisional, continuing, or reissue applications, or the procuring thereof, and that if and when said ASSIGNEE, its successors, assigns, nominees or other legal representatives desire to file a disclaimer concerning a PATENT, we will, upon request, sign all lawful papers requisite for the filing of such disclaimer, and we further covenant and agree that we will, at any time upon request, do everything legally possible to aid said ASSIGNEE, its successors, assigns, nominees or other legal representatives, either in its or their own name, to apply for, obtain and enforce proper PATENT protection for said INVENTION in all countries, all without further consideration but at the expense of said ASSIGNEE, its successors, assigns, nominees or other legal representatives.

Aaron B. Attwood
AARON B. ATTWOOD

Signed on another sheet
DAVID S. TU

(Signed on another sheet)
DAVID MATHIEU

(Signed on another sheet)
JOSEPH J. MCDERMOTT

(Signed on another sheet)
SCOTT MADDUX

(Signed on another sheet)
ANTHONY D. ANDRE

(Signed on another sheet)
MATTHEW D. BANTLEY

State of NEW JERSEY)
County of HUNTERDON) ss:

This 10th day of NOVEMBER, 19 98, before me personally came the above-named AARON B. ATTWOOD by me personally identified as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Scott Sikoryak
NOTARY PUBLIC
My Commission Expires 4/7/2002

NOTE: as used herein, the terms PATENT and/or PATENTS include Letters Patent, Utility Model Registrations, Invention and/or Inventor's Certificates, Industrial Design Registrations, Model Registrations, and all documents which bestow grants of proprietary or exclusive rights.

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

AARON B. ATTWOOD, 3712 EAGLE ROAD, SLATINGTON, PA 18080; JOSEPH J. MCDERMOTT, 18 BARBERRY LANE, EASTON, PA 18045; ANTHONY D. ANDRE, 1460 ELWOOD DRIVE, LOS GATOS, CA 95032; DAVID S. TU, 4722 IRVING STREET, SAN FRANCISCO, CA 94122; SCOTT MADDUX, 675 CASTRO STREET, SAN FRANCISCO, CA 94114; MATTHEW D. BANTLEY, 1232 LOUDEN STREET, CINCINNATI, OHIO 45202, AND DAVID MATHIEU, 11 GLOVER PLACE, MIDDLETOWN, CT 06457

hereby sell and assign to INGERSOLL-RAND COMPANY (hereinafter called the ASSIGNEE), a Corporation organized and existing under the laws of the state of NEW JERSEY having its principal place of business at:

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WOODCLIFF LAKE, NJ 07675

its successors, assigns, nominees, or other legal representatives, the entire right, title and interest in and to the DESIGN titled: HOUSING ENCLOSURE FOR A MICROPROCESSOR CONTROLLER

invented by us and the application for United States PATENT (defined below) therefor, and all original and reissued PATENTS granted therefor, and all divisions and continuations thereof, including the subject-matter(s) of any and all claims which may be obtained in every such PATENT, and the right to apply for and obtain PATENTS in countries foreign to the United States, and in and to any PATENTS which may be granted thereon in such foreign countries, and authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue PATENTS, to issue the said PATENTS to the said ASSIGNEE, its successors, assigns, nominees or other legal representatives, as assignee of the entire interest, and covenant that we have full right to convey the entire interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith, and agree that we will communicate to said ASSIGNEE, its successors, assigns, nominees or other legal representatives, all facts known to us respecting said INVENTION, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for such divisional, continuing, or reissue applications, or the procuring thereof, and that if and when said ASSIGNEE, its successors, assigns, nominees or other legal representatives desire to file a disclaimer concerning a PATENT, we will, upon request, sign all lawful papers requisite for the filing of such disclaimer, and we further covenant and agree that we will, at any time upon request, do everything legally possible to aid said ASSIGNEE, its successors, assigns, nominees or other legal representatives, either in its or their own name, to apply for, obtain and enforce proper PATENT protection for said INVENTION in all countries, all without further consideration but at the expense of said ASSIGNEE, its successors, assigns, nominees or other legal representatives.

(Signed on another sheet)
AARON B. ATTWOOD

(Signed on another sheet)
DAVID S. TU

(Signed on another sheet)
DAVID MATHIEU

(Signed on another sheet)
JOSEPH J. MCDERMOTT

(Signed on another sheet)
SCOTT MADDUX

(Signed on another sheet)
ANTHONY D. ANDRE

(Signed on another sheet)
MATTHEW D. BANTLEY

State of Michigan)
County of Oakland) ss:

This 10th day of November 19 98, before me personally came the above-named JOSEPH J. MCDERMOTT by me personally identified as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Helen Barnett
NOTARY PUBLIC

HELEN BARNETT
NOTARY PUBLIC - OAKLAND COUNTY, MI
MY COMMISSION EXPIRES 01/03/01

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invented by us and the application for United States PATENT (defined below) therefor, and all original and reissued PATENTS granted therefor, and all divisions and continuations thereof, including the subject-matter(s) of any and all claims which may be obtained in every such PATENT, and the right to apply for and obtain PATENTS in countries foreign to the United States, and in and to any PATENTS which may be granted thereon in such foreign countries, and authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue PATENTS, to issue the said PATENTS to the said ASSIGNEE, its successors, assigns, nominees or other legal representatives, as assignee of the entire interest, and covenant that we have full right to convey the entire interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith, and agree that we will communicate to said ASSIGNEE, its successors, assigns, nominees or other legal representatives, all facts known to us respecting said INVENTION, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for such divisional, continuing, or reissue applications, or the procuring thereof, and that if and when said ASSIGNEE, its successors, assigns, nominees or other legal representatives desire to file a disclaimer concerning a PATENT, we will, upon request, sign all lawful papers requisite for the filing of such disclaimer, and we further covenant and agree that we will, at any time upon request, do everything legally possible to aid said ASSIGNEE, its successors, assigns, nominees or other legal representatives, either in its or their own name, to apply for, obtain and enforce proper PATENT protection for said INVENTION in all countries, all without further consideration but at the expense of said ASSIGNEE, its successors, assigns, nominees or other legal representatives.

(Signed on another sheet)
AARON B. ATTWOOD

(Signed on another sheet)
DAVID S. TU

(Signed on another sheet)
DAVID MATHIEU

(Signed on another sheet)
JOSEPH J. MCDERMOTT

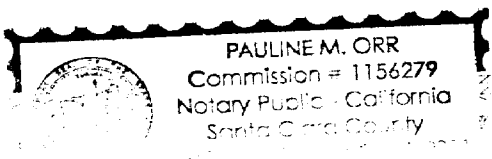
(Signed on another sheet)
SCOTT MADDUX

Anthony D. Andre
ANTHONY D. ANDRE

(Signed on another sheet)
MATTHEW D. BANTLEY

State of California)
County of Santa Clara) ss:

This 2 day of Dec., 19 98, before me personally came the above-named ANTHONY D. ANDRE by me personally identified as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.



Pauline M. Orr
NOTARY PUBLIC

NOTE: as used herein, the terms PATENT and/or PATENTS include Letters Patent, Utility Model Registrations, Invention and/or Inventor's Certificates, Industrial Design Registrations, Model Registrations, and all documents which bestow grants of proprietary or exclusive rights.

PATENT
REEL: 9632 FRAME: 0545

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

AARON B. ATTWOOD, 3712 EAGLE ROAD, SLATINGTON, PA 18080; JOSEPH J. MCDERMOTT, 18 BARBERRY LANE, EASTON, PA 18045; ANTHONY D. ANDRE, 1460 ELWOOD DRIVE, LOS GATOS, CA 95032; DAVID S. TU, 4722 IRVING STREET, SAN FRANCISCO, CA 94122; SCOTT MADDUX, 675 CASTRO STREET, SAN FRANCISCO, CA 94114; MATTHEW D. BANTLEY, 1232 LOUDEN STREET, CINCINNATI, OHIO 45202, AND DAVID MATHIEU, 11 GLOVER PLACE, MIDDLETOWN, CT 06457

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its successors, assigns, nominees, or other legal representatives, the entire right, title and interest in and to the DESIGN titled: HOUSING ENCLOSURE FOR A MICROPROCESSOR CONTROLLER

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DT
11/5/98

(Signed on another sheet)
AARON B. ATTWOOD

DAVID S. TU

(Signed on another sheet)
DAVID MATHIEU

(Signed on another sheet)
JOSEPH J. MCDERMOTT

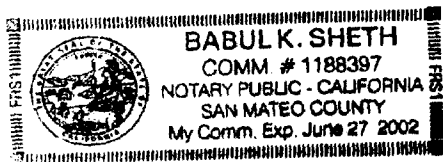
(Signed on another sheet)
SCOTT MADDUX

(Signed on another sheet)
ANTHONY D. ANDRE

(Signed on another sheet)
MATTHEW D. BANTLEY

State of CALIFORNIA)
County of SAN MATEO) ss:

This 5th day of November, 1998, before me personally came the above-named DAVID S. TU by me personally identified as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.



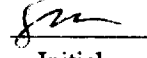
DT
Babul K. Sheth
NOTARY PUBLIC

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ASSIGNMENT

4077 26th STREET, SAN FRANCISCO, CA 94131

For good and valuable consideration, receipt of which is hereby acknowledged, we

 Initial	<u>12.02.98</u> Date
--	-------------------------

AARON B. ATTWOOD, 3712 EAGLE ROAD, SLATINGTON, PA 18080; JOSEPH J. MCDERMOTT, 18 BARBERRY LANE, EASTON, PA 18045; ANTHONY D. ANDRE, 1460 ELWOOD DRIVE, LOS GATOS, CA 95032; DAVID S. TU, 4722 IRVING STREET, SAN FRANCISCO, CA 94122; SCOTT MADDUX, ~~675 CASTRO STREET, SAN FRANCISCO, CALIFORNIA 94114~~; MATTHEW D. BANTLEY, 1232 LOUDEN STREET, CINCINNATI, OHIO 45202, AND DAVID MATHIEU, 11 GLOVER PLACE, MIDDLETOWN, CT 06457

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WOODCLIFF LAKE, NJ 07675

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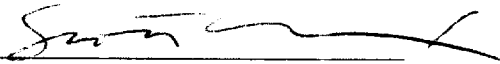
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(Signed on another sheet)
AARON B. ATTWOOD

(Signed on another sheet)
DAVID S. TU

(Signed on another sheet)
DAVID MATHIEU

(Signed on another sheet)
JOSEPH J. MCDERMOTT


SCOTT MADDUX

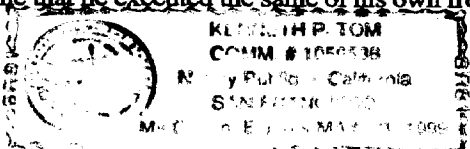
(Signed on another sheet)
ANTHONY D. ANDRE

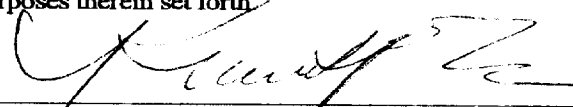
(Signed on another sheet)
MATTHEW D. BANTLEY

State of California)

County of San Francisco) ss:

This 02 day of December, 19 98, before me personally came the above-named SCOTT MADDUX by me personally identified as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.





 NOTARY PUBLIC

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(Signed on another sheet)
AARON B. ATTWOOD

(Signed on another sheet)
DAVID S. TU

(Signed on another sheet)
DAVID MATHIEU

(Signed on another sheet)
JOSEPH J. MCDERMOTT

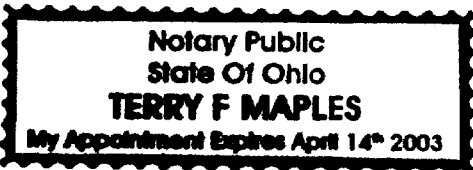
(Signed on another sheet)
SCOTT MADDUX

(Signed on another sheet)
ANTHONY D. ANDRE

MATTHEW D. BANTLEY *MS*

State of OHIO)
County of HAMILTON) ss:

MS This 30 day of Nov, 19 99, before me personally came the above-named MATTHEW D. BANTLEY by me personally identified as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.



Terry F. Maples
NOTARY PUBLIC

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WOODCLIFF LAKE, NJ 07675

its successors, assigns, nominees, or other legal representatives, the entire right, title and interest in and to the DESIGN titled: HOUSING ENCLOSURE FOR A MICROPROCESSOR CONTROLLER

invented by us and the application for United States PATENT (defined below) therefor, and all original and reissued PATENTS granted therefor, and all divisions and continuations thereof, including the subject-matter(s) of any and all claims which may be obtained in every such PATENT, and the right to apply for and obtain PATENTS in countries foreign to the United States, and in and to any PATENTS which may be granted thereon in such foreign countries, and authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue PATENTS, to issue the said PATENTS to the said ASSIGNEE, its successors, assigns, nominees or other legal representatives, as assignee of the entire interest, and covenant that we have full right to convey the entire interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith, and agree that we will communicate to said ASSIGNEE, its successors, assigns, nominees or other legal representatives, all facts known to us respecting said INVENTION, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for such divisional, continuing, or reissue applications, or the procuring thereof, and that if and when said ASSIGNEE, its successors, assigns, nominees or other legal representatives desire to file a disclaimer concerning a PATENT, we will, upon request, sign all lawful papers requisite for the filing of such disclaimer, and we further covenant and agree that we will, at any time upon request, do everything legally possible to aid said ASSIGNEE, its successors, assigns, nominees or other legal representatives, either in its or their own name, to apply for, obtain and enforce proper PATENT protection for said INVENTION in all countries, all without further consideration but at the expense of said ASSIGNEE, its successors, assigns, nominees or other legal representatives.

(Signed on another sheet)
AARON B. ATTWOOD

(Signed on another sheet)
DAVID S. TU


DAVID MATHIEU

(Signed on another sheet)
JOSEPH J. MCDERMOTT

(Signed on another sheet)
SCOTT MADDUX

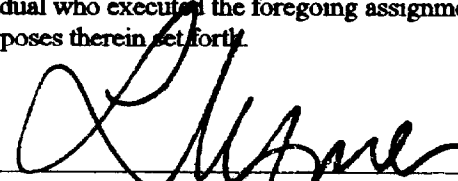
(Signed on another sheet)
ANTHONY D. ANDRE

(Signed on another sheet)
MATTHEW D. BANTLEY

State of Massachusetts)
County of Suffolk)

) ss:

This 3rd day of December, 19 98, before me personally came the above-named DAVID MATHIEU by me personally identified as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.


NOTARY PUBLIC

NOTE: as used herein, the terms PATENT and/or PATENTS include Letters Patent, Utility Model Registrations, Invention and/or Inventor's Certificates, Industrial Design Registrations, Model Registrations, and all documents which bestow grants of proprietary or exclusive rights.