

02-27-2006

HEET

HDP Docket No. 9671W-000200/US  
Express Mail Label No. EV 639015625 US

2/17/06



103185526

To the Director of the U.S. Pat.

Record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

Li Huiging  
Ronald L. Campbell  
Mike Noble

Execution Date(s) February 10, 2006

Additional name of conveying party(ies) attached?  Yes  No

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

Name: Emerson Electric Co.

Internal Address: \_\_\_\_\_

Street Address: 8000 West Florissant

City: St. Louis

State: Missouri

Country: USA Zip: 63136

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

**3. Nature of conveyance:**

- Assignment  Merger
- Security Agreement  Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

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

A. Patent Application No.(s)

02/23/2006 SSITHIB1 00000007 11357633

01 FC:021

(40.00 DP)

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Kevin M. Pumm

Internal Address: Harness, Dickey & Pierce, P.L.C.

Street Address: 7700 Bonhomme, Suite 400

City: Clayton

State: MO Zip: 63105

Phone Number: 314-726-7500

Fax Number: 314-726-7501

Email Address: kpumm@hdp.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
- None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 08-0750

Authorized User Name \_\_\_\_\_

**9. Signature :**

Signature

February 17, 2006

Date

Kevin M. Pumm, No. 49,046

Name of Person Signing

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

3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

11/20/21 U.S. PTO  
11/857633



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EV 639015625 PATENT US

REEL: 017598 FRAME: 0046

# ASSIGNMENT

Atty. Docket No. 9671W-000200

The undersigned, hereinafter referred to collectively as Assignor, has an interest in the invention entitled:

## Thermostatic Expansion Valve With Check Valve

which is the subject of a United States or International application for patent

- (a)  executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b)  executed on \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_;
- (c)  filed on \_\_\_\_\_, and assigned Serial No. \_\_\_\_\_ or PCT International Application No. \_\_\_\_\_;
- (d)  U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_, and  
 presently assigned as evidenced at Reel \_\_\_\_\_, Frame \_\_\_\_\_; or
- (e)  entitled above and naming the undersigned inventors in this provisional patent application; and

Emerson Electric Co., a corporation of the State of Missouri, having a principle office at 8000 West Florissant, St. Louis, Missouri 63136, hereinafter referred to as Assignee, is desirous of acquiring Assignor's interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in and to said Invention and improvements as the same are disclosed in said application, in and to said application, and to any Letters Patent, including any divisions, continuations, continuations-in-part, reissues, reexaminations, and extensions to be obtained thereof, in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, which may be granted for said Invention; said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

Assignor hereby authorizes an attorney authorized to prosecute this patent application to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

ASSIGNMENT

Huiqing Li [Signature] 10 Feb 2006  
First Inventor or Assignor

Ronald L. Campbell [Signature] 10 FEB 06  
Second Joint Inventor or Assignor

\* [Signature] 10 Feb 2006  
Mike Noble  
Third Joint Inventor or Assignor

\_\_\_\_\_  
Fourth Joint Inventor or Assignor

\_\_\_\_\_  
Fifth Joint Inventor or Assignor

\_\_\_\_\_  
Sixth Joint Inventor or Assignor

State of Missouri )  
County of St. Louis ) ss.

On this 10 day of February, 2006 before me personally appeared the foregoing individuals, who executed the foregoing instrument and who acknowledged to me that they executed the same of their own free will for the purpose therein set forth.

Notary Public, Rita A. Martin  
Acting in the County Of St. Louis  
State Of Missouri  
My Commission Expires May 27, 2009

