

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>William C. Leise</td> <td>05/31/2012</td> </tr> <tr> <td>John F. Broker</td> <td>05/31/2012</td> </tr> <tr> <td>Horst E. Jaeschke</td> <td>05/31/2012</td> </tr> <tr> <td>Thomas B. Lorenz</td> <td>05/31/2012</td> </tr> <tr> <td>Harshal M. Pawar</td> <td>06/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	William C. Leise	05/31/2012	John F. Broker	05/31/2012	Horst E. Jaeschke	05/31/2012	Thomas B. Lorenz	05/31/2012	Harshal M. Pawar	06/19/2012
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Harshal M. Pawar	06/19/2012												
RECEIVING PARTY DATA													
Name:	Emerson Electric Co.												
Street Address:	8000 West Florissant Avenue												
City:	St. Louis												
State/Country:	MISSOURI												
Postal Code:	63136												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13535396</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13535396								
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Application Number:	13535396												
CORRESPONDENCE DATA													
Fax Number:	(314)726-7501												
Phone:	314-726-7500												
Email:	stlouisagfile@hdp.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	Anthony G. Fussner												
Address Line 1:	7700 Bonhomme												
Address Line 2:	Suite 400												
Address Line 4:	St. Louis, MISSOURI 63105												
ATTORNEY DOCKET NUMBER:	7578W-000549/US												
NAME OF SUBMITTER:	Anthony G. Fussner												

CH \$40.00 13535396

**Total Attachments: 6**

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## ASSIGNMENT

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

### HVAC CONTROLS OR CONTROLLERS INCLUDING ALPHANUMERIC DISPLAYS AND PUSH BUTTONS

for which Assignor is about to make or has made 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);
- (b)  executed on \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_; or
- (c)  filed on June 28, 2012, and assigned Application No. 13/535,396 or PCT International Application No. \_\_\_\_\_; and

WHEREAS, Emerson Electric Co., hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, 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 sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

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, utility model, or other similar rights, and for copyright, 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 and 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, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the 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 the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. 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 U.S. Patent and Trademark Office for recordation of this document.

ASSIGNMENT

*William C. Leise*

Joint Inventor or Assignor: William C. Leise

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

On this 31 day of May, 2012, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Notary Public,

*Terrri J. Butler*

Acting in the County Of

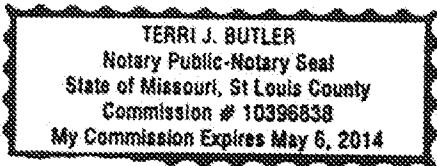
*St. Louis*

State Of

*Missouri*

My Commission Expires *5/6/2014*

(seal)



ASSIGNMENT

*[Handwritten Signature]*

Joint Inventor or Assignor: John F. Broker

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

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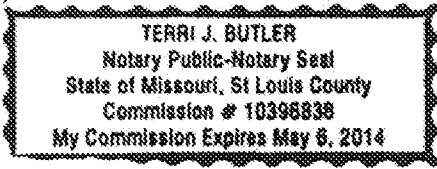
Notary Public  
*[Handwritten Signature]*

Acting in the County Of  
St. Louis

State Of  
Missouri

My Commission Expires 5/6/2014

(seal)



ASSIGNMENT

Horst Jaeschke  
Joint Inventor or Assignor: Horst E. Jaeschke

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

On this 31 day of May, 2012, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Notary Public, Terr J. Butler

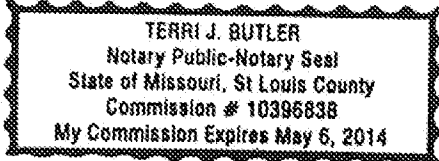
Acting in the County Of

St. Louis

State Of Missouri

My Commission Expires 5/6/2014

(seal)



ASSIGNMENT

[Signature]  
Joint Inventor or Assignor: Thomas B. Lorenz

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

On this 31 day of May, 2012, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Notary Public,

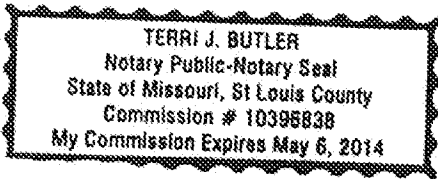
[Signature]

Acting in the County Of  
St. Louis

State Of  
Missouri

My Commission Expires 5/6/2014

(seal)



## ASSIGNMENT

harshal pawar

Joint Inventor or Assignor: Harshal M. Pawar

Date: June 19, 2012

Signed in my presence and acknowledged to be an assignment of the invention and application referred to above.

Witnessed by: \_\_\_\_\_

D. D. Patil

Printed Name: Durgesh D. Patil

Home Address: Flat No. 29,  
Abhishek 'A' Co-op Housing Society,  
Lane 3, Happy Colony,  
Kothrud,  
Pune, Maharashtra, India  
Pin: 411038.

Witnessed by: \_\_\_\_\_

N. P. Puntambekar

Printed Name: Nilesh Puntambekar

Home Address: 310, Silver Nest,  
Choudhary Park,  
Wakad,  
Pune, Maharashtra, India  
Pin: 411057