

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
WAYNE R. WARNER	05/13/2019
REZA KHATAMI	05/15/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EMERSON CLIMATE TECHNOLOGIES, INC.
<b>Street Address:</b>	1675 W. CAMPBELL ROAD
<b>Internal Address:</b>	P.O. BOX 669
<b>City:</b>	SIDNEY
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	45365
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16413117
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(248)641-0270
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(248) 641-1218
<b>Email:</b>	troy@mailroom@hdp.com, kdiehl@hdp.com, dspears@hdp.com, swangerow@hdp.com, ksmith@hdp.com
<b>Correspondent Name:</b>	HARNESS, DICKEY & PIERCE, P.L.C.
<b>Address Line 1:</b>	P.O. BOX 828
<b>Address Line 4:</b>	BLOOMFIELD HILLS, MICHIGAN 48303
<b>ATTORNEY DOCKET NUMBER:</b>	0315-001000-US
<b>NAME OF SUBMITTER:</b>	KATE DIEHL
<b>SIGNATURE:</b>	/Kate Diehl/
<b>DATE SIGNED:</b>	05/15/2019
<b>Total Attachments: 3</b>	
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# ASSIGNMENT

Each person signing below ("Assignor") has made or authorized to be made the following patent applications ("Patent Applications"):

U.S. Provisional Application No. 62/672,741, filed May 17, 2018, titled CLIMATE-CONTROL SYSTEM HAVING PUMP; and  
 U.S. Application No. 16 / 413 , 117, filed May 15, 2019, titled CLIMATE-CONTROL SYSTEM HAVING PUMP, the  
 declaration for which was executed on the same day as this Assignment.

The Patent Applications disclose, whether claimed or unclaimed, inventions ("Inventions"), of which Assignor believes Assignor is an original inventor or an original joint inventor.

EMERSON CLIMATE TECHNOLOGIES, INC. ("Assignee"), having a place of business at 1675 W. Campbell Road, Sidney, OH 45365, desires to acquire all right, title, and interest in and to "Intellectual Property" as defined below.

Assignor acknowledges and confirms any prior assignment(s) or obligation(s) of assignment from Assignor to Assignee of any part of the Intellectual Property.

For US\$1 and other good and valuable consideration, the receipt and adequacy of which is acknowledged, Assignor irrevocably assigns, sells, and transfers all legal and equitable right, title, and interest in and to the Intellectual Property to Assignee. Assignee acknowledges and accepts the assignment, sale, and transfer. The right, title, and interest shall be held and enjoyed by Assignee and Assignee's successors in interest to the full end of any term, and to the full extent, as the Intellectual Property would have been held and enjoyed by Assignor if no assignment had been made to Assignee.

The Intellectual Property includes:

- a. the Inventions;
- b. the Patent Applications;
- c. any application to which one of the Patent Applications could have claimed priority or benefit directly or indirectly, where "application" encompasses (i) applications filed under the laws and treaties of the United States, other countries, regions, and international bodies, (ii) provisional patent applications and nonprovisional patent applications, and (iii) other applications for the protection of intellectual property, including applications for utility models, design patents, and statutory invention registrations;
- d. any application that claims or could have claimed priority to or benefit of one of the Patent Applications directly or indirectly (including nonprovisional patent applications, divisional patent applications, continuation patent applications, continuation-in-part patent applications, patents of addition, and non-U.S. patent applications);
- e. any application, whether or not linked by priority/benefit claim to the Patent Applications, that describes or claims at least one of the Inventions;
- f. any official grant (including a United States Patent) arising from any application identified in parts (a)–(e);
- g. any modification or extension of any official grant, including reissues, reexaminations, renewals, substitutes, patents of addition, and extensions;
- h. any improvements to the Inventions that were conceived by Assignor prior to execution of this Assignment; and
- i. all interest in works of authorship by Assignor related to the Inventions, whether reproduced in the Patent Applications or not, and including computer code, user interfaces, graphic works, and the Patent Applications themselves, including the written descriptions, the drawings, and the claims.

The right, title, and interest include:

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- c. all rights to sue for, and recover for, infringements of, or liabilities for, the Intellectual Property, including those infringements occurring and liabilities accruing prior to execution of this Assignment.

Assignor requests, in each country in which an application encompassed by the Intellectual Property is filed, that any official whose duty it is to make an official grant (such as the Director of the country's Patent Office) issue the official grant to Assignee.

Assignor represents that Assignor has not, and agrees that Assignor will not, enter into any assignment, sale, license, agreement, transfer, or encumbrance that would conflict with this Assignment. Assignor further agrees not to challenge, or assist in any challenge to, the Intellectual Property.

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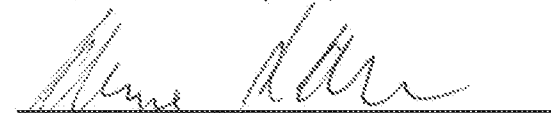
Cooperation includes, at Assignee's request and without further or other compensation beyond the good and valuable consideration recited above, (i) promptly reviewing and executing all truthful instruments or documents, (ii) promptly providing Assignee with all pertinent facts and documents relating to the Intellectual Property as may be known and accessible to Assignor, and (iii) testifying truthfully, under oath if necessary, orally and in writing.

For any reason, including by operation of law, in any respect and in any jurisdiction:


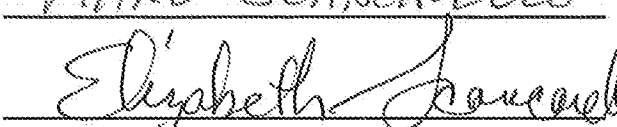
- a. to the extent that the assignment, sale, and transfer fails, Assignor grants Assignee an unconditional, irrevocable, perpetual, worldwide, fully paid-up, royalty-free, exclusive license, including the right to sublicense;
- b. to the extent that the exclusive license fails, the exclusive license shall operate as a non-exclusive license; and
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If any provision of this Assignment is determined to be invalid or unenforceable for any reason, including by operation of law, all other provisions shall remain in full force and effect, and the court or tribunal making such a finding shall substitute an enforceable provision that most closely reflects the original.


Assignor grants Harness, Dickey & Pierce, P.L.C. the power and authority to insert the corresponding application numbers, filing dates, and titles in the spaces provided above for any of the Patent Applications after execution of this Assignment.

  
Wayne R. WARNER

5/13/2019  
Date

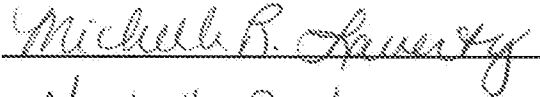
Witness 1  
Signature:   
Witness 1  
Printed Name: MARK SCANCARELLO  
Witness 2  
Signature:   
Witness 2  
Printed Name: Elizabeth Scancarello

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\_\_\_\_\_  
Reza KHATAMI

5/15/19  
\_\_\_\_\_  
Date

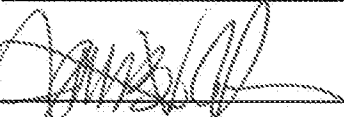
Witness 1

Signature: 

Witness 1

Printed Name: Michelle R. Lavery

Witness 2

Signature: 

Witness 2

Printed Name: James Allen