

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5759328

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JONATHAN EDWARD THRIFT	09/30/2019
CHRISTOPHER BLAKE SMITH	09/30/2019
DOMINQUE ASHLEY SCHAEFER PIPPS	09/30/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TRANE INTERNATIONAL INC.
<b>Street Address:</b>	800-E BEATY STREET
<b>City:</b>	DAVIDSON
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28036
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16590043
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(972)731-2289
<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>	972-731-2288
<b>Email:</b>	lforte@dfw.conleyrose.com
<b>Correspondent Name:</b>	J. ROBERT BROWN, JR.
<b>Address Line 1:</b>	5601 GRANITE PARKWAY, SUITE 500
<b>Address Line 4:</b>	PLANO, TEXAS 75024
<b>ATTORNEY DOCKET NUMBER:</b>	4236-21000
<b>NAME OF SUBMITTER:</b>	J. ROBERT BROWN, JR.
<b>SIGNATURE:</b>	/J. Robert Brown, Jr./
<b>DATE SIGNED:</b>	10/08/2019
<b>Total Attachments: 5</b>	
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## WORLDWIDE ASSIGNMENT

WHEREAS, WE, (hereinafter referred to as the "ASSIGNORS");

Jonathan Edward Thrift, 2438 CR 3305, Jacksonville, TX 75766, United States

Christopher Blake Smith, 315 Rosebrook Circle, Whitehouse, TX 75791, United States

Dominique Ashley Schaefer Pippis, 4055 Hogan Drive, Apt. 1401, Tyler, TX 75709, United States

is the inventors of invention listed below ("Invention") for which one or more patents, applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

**U.S. Patent Application entitled "SYSTEMS AND METHODS FOR COIL TEMPERATURE DEVIATION DETECTION FOR A CLIMATE CONTROL SYSTEM" (Atty. Docket No. 4236-21000)**

AND WHEREAS, Trane International Inc., (hereinafter referred to as the "ASSIGNEE"), a corporation of Delaware, having a place of business at 800-E Beatty Street, Davidson, North Carolina 28036, United States, is desirous of acquiring the full and exclusive right, title and interest in and to said Inventions, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Inventions, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS do hereby confirm that ASSIGNORS has transferred, conveyed and assigned, and by way of further assurance does hereby transfer, convey and assign, any and all of ASSIGNOR's respective rights, title and interest in and to: the Inventions; the Applications; inclusive of any and all priority rights, including the right to claim priority, derived from the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Inventions in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications, and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide

Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNORS does hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNORS further agrees/agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

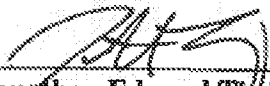
ASSIGNORS does hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

ASSIGNORS does hereby authorize and request The Commissioner of Patents or any equivalent authority to issue to ASSIGNEE each and every patent, registration and other form of protection, right, and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNORS and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

This Worldwide Assignment has been executed below by the undersigned:

  
Jonathan Edward Thrift

Date: 9-30-2019

STATEMENT BY WITNESS

I, John Marchetti, whose full Post Office address is  
895 North Main Street  
Rehman TX 75784  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

  
(Signature of Witness)

Date: 9-30-2019

This Worldwide Assignment has been executed below by the undersigned:

  
Christopher Blake Smith

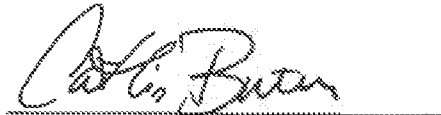
Date: 9-30-2019

STATEMENT BY WITNESS

I, Caitlin Butler, whose full Post Office address is

4350 Old Ormen Rd Apt 3301 Tyler, Tx 75707  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

  
(Signature of Witness)

Date: 9/30/19

This Worldwide Assignment has been executed below by the undersigned:

  
Dominique Ashley Schaefer Pipp


Date: 9/30/2019

STATEMENT BY WITNESS

I, Thomas Kuehn, whose full Post Office address is

21874 CR 173 ROLLARD, TX 75757  
(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

  
(Signature of Witness)

Date: 9/30/19