## <u>504550268</u> 09/15/2017

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΔΑΤΑ				
		Name	Name		
ROBERT J. ROTH				09/15/2017	
RECEIVING PARTY D	ΑΤΑ				
Name:	TRANE	INTERNATIONAL INC.			
Street Address:	800-E E	800-E BEATY STREET			
City:	DAVID	DAVIDSON			
State/Country:	NORTH	NORTH CAROLINA			
Postal Code:	28036	28036			
PROPERTY NUMBER	S Total: 1				
Property Type		Number			
· · ·		15705926			
CORRESPONDENCE	DATA				
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•			AMRE, SCHUMANN, MUELLER & LARSON, P.		
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ATTORNEY DOCKET NUMBER:		20424.0332USU1	20424.0332USU1		
NAME OF SUBMITTER:		BRYAN A. WONG	BRYAN A. WONG		
SIGNATURE:		/Bryan A. Wong/	/Bryan A. Wong/		
DATE SIGNED:		09/15/2017	09/15/2017		
Total Attachments: 2 source=Assignment_033 source=Assignment_033	•	•			

## ASSIGNMENT

WHEREAS, 1, Robert J. Roth, having an address of 350 S. 20th St., La Crosse, WI 54601, made certain new and useful inventions and improvements for which I filed a US Non-provisional application, on , that has application no. and which is entitled COOLING CIRCUIT FOR A VARIABLE FREQUENCY DRIVE.

AND WHEREAS, TRANE INTERNATIONAL INC., a corporation organized and existing under and by virtue of the laws of Delaware, and having an office and place of business at 800-E Beaty Street, Davidson, North Carolina 28036 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to any applications which have been or shall be filed, including all nonprovisionals, applications filed under the Patent Cooperation Treaty, divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary

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or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this  $\frac{15}{500}$  day of  $\frac{5000}{5000}$ ,  $\frac{2017}{5000}$ .

Inventor: Robert J. Roth