

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT8223883

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	NEAL HARRINGTON	01/04/2021
	THOMAS GORT	01/04/2021
	JAMES R.M. NEAL	01/04/2021
<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>	18069762	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<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>	7043314956	
<b>Email:</b>	RONAN.ODONOGHUE@WBD-US.COM	
<b>Correspondent Name:</b>	WOMBLE BOND DICKINSON (US) LLP/ TRANE TECHNOLOGIES	
<b>Address Line 1:</b>	PO BOX 570489	
<b>Address Line 2:</b>	ATTN: IP DOCKETING	
<b>Address Line 4:</b>	ATLANTA, GEORGIA 94111	
<b>ATTORNEY DOCKET NUMBER:</b>	T110639 2970US.C1 0318.1	
<b>NAME OF SUBMITTER:</b>	TRAVIS IAMS	
<b>SIGNATURE:</b>	/Travis Iams/	
<b>DATE SIGNED:</b>	10/17/2023	
<b>Total Attachments: 5</b>		
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## WORLDWIDE INVENTION ASSIGNMENT

WHEREAS, the undersigned (hereinafter collectively referred to as “Assignor”) has or may have invented certain inventions and improvements disclosed in the United States patent application entitled **“ORIENTATION-BASED TEMPERATURE SENSOR”** and designated as

- ☒ Application No. 17/138,621; filed December 30, 2020
- ☐ Application claims priority from Application No. \_\_\_\_\_, filed \_\_\_\_\_, all applications listed above being hereinafter referred to as the “Application(s)”;

WHEREAS, it is agreed that

**TRANE INTERNATIONAL INC.**  
**800-E Beaty Street**  
**Davidson, NC 28036**

(hereinafter referred to as “Assignee”), is entitled to or is desirous of acquiring all right, title and interest related to the same;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor, by these presents, does sell, assign, and transfer unto Assignee the full, exclusive and entire right, title and interest, worldwide: (i) in and to all inventions and improvements disclosed and described in the Application(s); (ii) in and to said Application(s) and any other United States national stage, provisional, non-provisional, divisional, continuation, continuation-in-part, or design patent applications based in whole or in part upon said inventions or improvements and/or claiming priority to said Application(s) (the “U.S. Applications”); (iii) in and to any Patent Cooperation Treaty applications based in whole or in part upon said inventions or improvements and/or claiming priority to said Application(s); (iv) in and to any and all applications for industrial property protection, including without limitation applications for patent, utility model, inventor’s certificate, and design, filed or which are hereafter filed in countries outside the United States (the “Foreign Applications”) and which describe in whole or in part said inventions and improvements, said Foreign Applications to be

filed and issued in the name of Assignee or its designee insofar as permitted by applicable law; (v) in and to all patents or similar protective rights in the United States or elsewhere which may be granted on the U.S. Applications and Foreign Applications and all reissues, reexaminations, and extensions thereof, any and all such patents or other protective rights to issue in the name of Assignee and for the sole use and behoof of Assignee and its successors and assigns; and (vi) in and to the right to claim any applicable foreign or domestic priority rights arising from or required for any of the aforementioned applications under the terms of any applicable conventions, treaties, statutes, or regulations.


AND, for the same consideration, Assignor agrees to (i) communicate to Assignee, its successors, legal representatives, and assigns, any facts known to Assignor respecting said inventions and improvements or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions or improvements; (ii) sign or execute all lawful papers, applications, declarations, affidavits, assignments, and rightful oaths that may be requested by Assignee during prosecution or enforcement of any rights related to the inventions and improvements; (iii) testify in any proceedings relating to said inventions or improvements or rights granted therefor; and (iv) generally do everything possible to aid Assignee and its successors, legal representatives and assigns, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Assignor covenants with Assignee, its successors, legal representatives, and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned. Assignor further agrees that Assignee, its successors, legal representatives, and assigns, may insert into this Assignment any further text necessary or desirable to define the Applications to which the Assignment pertains for purposes of recordation, and also agrees that the Assignment is[= effective at least as early as the earliest priority date of the Application(s).


1/4/21  
Date

  
Neal Harrington

WITNESSES:

  
(Signature of Witness)

Jesus Garcia Gomez  
(Typed Name of Witness)

  
(Signature of Witness)

Sheehan Shetty  
(Typed Name of Witness)

1/4/21  
Date

Thomas Gort  
Thomas Gort

WITNESSES:


Peter Goodwin  
(Signature of Witness)

Peter Goodwin  
(Typed Name of Witness)

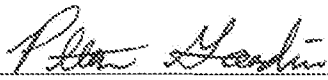
Stephanie Liebel  
(Signature of Witness)

Stephanie Liebel  
(Typed Name of Witness)

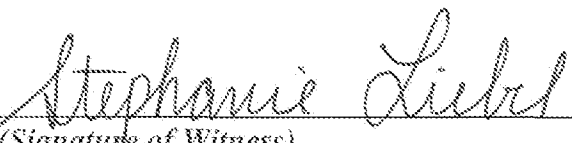
1/4/21  
Date

  
James R. M. Neal

WITNESSES:

  
(Signature of Witness)

Peter Goodwin  
(Typed Name of Witness)

  
(Signature of Witness)

Stephanie Liebel  
(Typed Name of Witness)

WBD (US) 50473149v1