PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2889679

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAVAK MEHTA	07/26/2013
TODD W SMITH	07/26/2013
ROB LAKOWSKE	07/29/2013
DANIEL R. CRUM	07/24/2013

RECEIVING PARTY DATA

Name:	TRANE INTERNATIONAL INC.	
Street Address:	ONE CENTENNIAL AVENUE	
City:	PISCATAWAY	
State/Country:	NEW JERSEY	
Postal Code:	08855	

PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US2013050065

CORRESPONDENCE DATA

Fax Number: (612)455-3801

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.

Phone: 6124553800

Email: rthrumston@hsml.com

Correspondent Name: HAMRE, SCHUMANN, MUELLER & LARSON, P.C.

Address Line 1: PO BOX 2902

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	2024.0002WOU1
NAME OF SUBMITTER:	BRYAN A. WONG
SIGNATURE: /Bryan A. Wong/	
DATE SIGNED:	06/09/2014

Total Attachments: 4

source=Assignment_0002#page1.tif source=Assignment_0002#page2.tif source=Assignment_0002#page3.tif

PATENT 502843082 REEL: 033056 FRAME: 0763

source=Assignment_0002#page4.tif

PATENT REEL: 033056 FRAME: 0764

ASSIGNMENT

AND WHEREAS, TRANE INTERNATIONAL INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at One Centennial Avenue, Piscataway, New Jersey 08855 (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 and in consideration of the sum of One Dollar, or the monetary sum equivalent to One Dollar, and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we 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 we 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, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any

PATENT REEL: 033056 FRAME: 0765 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 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 <u>26</u> day of
JULY , 2013.
AL.
Inventor: Pavak Mehta
IN TESTIMONY WHEREOF, I have hereunto set my hand this 26 day of
July , 2013.
Podel W Smith
Inventor: Todd W. Smith
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of, 20
Inventor: Rod Lakowske

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 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 day of
		Inventor: Pavak Mehta
	IN TESTIMONY WHEREOF,	I have hereunto set my hand this day of
		Inventor: Todd W. Smith
Tory	IN TESTIMONY WHEREOF, 20 13.	I have hereunto set my hand this 29 day of Labourghe Inventor: Rod Lakowske

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24 day of
JULY , 20 13.
1918 Crum
Inventor: Daniel R. Crum

3