PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4924940

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TIMOTHY R. COOPER	04/19/2018
JOHN J. LINEHAN	04/19/2018
EDWARD CHARLES EARDLEY	04/19/2018

RECEIVING PARTY DATA

Name:	INGERSOLL-RAND COMPANY
Street Address:	800-D BEATY STREET
City:	DAVIDSON
State/Country:	NORTH CAROLINA
Postal Code:	28036

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15958046

CORRESPONDENCE DATA

Fax Number: (260)424-8316

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: 260-425-4660

Email: Greg.Cooper@btlaw.com

BARNES & THORNBURG LLP (IR) **Correspondent Name:** Address Line 1: 888 S. HARRISON STREET, SUITE 600 Address Line 4: FORT WAYNE, INDIANA 46802-2206

ATTORNEY DOCKET NUMBER:	437251/269610
NAME OF SUBMITTER:	GREGORY S. COOPER
SIGNATURE:	/Gregory S. Cooper/
DATE SIGNED: 04/20/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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PATENT REEL: 045596 FRAME: 0043

COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET

Title of Invention	Impact Tools With Rigidly Coupled Impact Mechanisms
	(herein the "Application(s)")
	Barnes & Thornburg LLP, 888 S. Harrison Street, Suite 600, Fort Wayne, Indiana 46802 is authorized to insert in parentheses (Application number , filed) the filing date and application number of said Application(s) when known.
	As the below named inventor (hereinafter designated as the "Undersigned"), I hereby declare that:
This declaration is directed to:	;
\boxtimes	The attached application; or
	United States application or PCT international application number: filed on
	The above-identified application was made or authorized to be made by me.
	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
	I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.
Assignment of World Wide Patent Rights	For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the Undersigned hereby sells, assigns, and sets over to:
r atent Rights	Name of Assignee: INGERSOLL-RAND COMPANY
	Address of Assignee's principal office: 800-D BEATY STREET
	DAVIDSON, NC 28036
	State of incorporation (if applicable): New Jersey
	its successors and assigns or other legal representatives (hereinafter collectively designated as the "Assignee") my entire right, title and interest in, to and under the Application(s) throughout the world, including all priority rights for the United States and other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application(s) and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.
	The Undersigned agrees to execute all papers necessary in connection with the Application(s) in the United States and counterpart applications in foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such Applications, and also to execute separate assignments in connection with such Applications as the Assignee may deem necessary or expedient.
	The Undersigned agrees to execute all papers necessary in connection with any interference which

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may be declared or litigation concerning the Application(s), U.S. national counterparts thereof, or continuation(s), continuation(s)-in-part, divisional(s), reissue(s), reexamination(s) thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with

such interference or litigation.

The Undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The Undersigned agrees to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The Undersigned hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patent of the United States resulting or following from said Application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

IN WITNESS WHEREOF, I have executed this assignment this	9 day of APRIL,
. 1C	
Timothy R. Cooper	
Printed Name	
ACKNOWLEDGMENT	KATELIND B KNUDSEN Notary Public - State of New Jersey My Commission Expires 101 24 2021
STATE OF New Jersey }	The second secon
STATE OF New Jersey } COUNTY OF Warren } SS:	Con and the second the second control of the
Acknowledged before me, a Notary Public, within and for said Cour	nty and State. Witness my
hand and Notarial Seal this 19 th day of April	, 2018.
Little B. Late	
Notary Public	
Hitchind B Knudsen Printed Name	
My Commission Expires: July 21,202 Resident of _	Warren

Resident of_

Printed Name

My Commission Expires: <u>JUL</u>

Resident of Warren

DMS RSK 12090372v1

My Commission Expires

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