

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4402181

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THOMAS S. DOUGHERTY	05/02/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	INGERSOLL-RAND COMPANY
<b>Street Address:</b>	800-D 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>	14242353
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(260)424-8316
<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>	260-425-4660
<b>Email:</b>	Greg.Cooper@btlaw.com
<b>Correspondent Name:</b>	BARNES & THORNBURG LLP
<b>Address Line 1:</b>	888 SOUTH HARRISON STREET, SUITE 600
<b>Address Line 4:</b>	FORT WAYNE, INDIANA 46802-2206
<b>ATTORNEY DOCKET NUMBER:</b>	437251/261932
<b>NAME OF SUBMITTER:</b>	GREGORY S. COOPER
<b>SIGNATURE:</b>	/Gregory S. Cooper/
<b>DATE SIGNED:</b>	05/08/2017
<b>Total Attachments: 2</b>	
source=Assignment-261932#page1.tif	
source=Assignment-261932#page2.tif	

## ASSIGNMENT

WHEREAS, THOMAS S. DOUGHERTY (hereinafter, the "Assignor") is the maker of an invention which is the subject of a United States Patent Application identified as Serial No. 14/242,353, filed on April 1, 2014, and entitled "Tool Extensions" (hereinafter, the "Application"); and

WHEREAS, the Assignor has an obligation to assign the Application to INGERSOLL-RAND COMPANY, a New Jersey corporation having a place of business at 800-D Beaty St., Davidson, North Carolina 28036 (hereinafter, the "Assignee");

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignor does hereby assign, sell, and set over to Assignee his entire right, title, and interest in, to, and under the Application, any and all patent applications filed in the United States and in all other countries claiming priority to the Application, all inventions disclosed therein, and any and all Letters Patent of the United States and of all other countries that may be granted for such inventions, all rights in such 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 Assignor had this assignment not been made.

The Assignor agrees to execute any and all papers in connection with the Application, any and all patent applications filed in the United States and in all other countries claiming priority to the Application, and any Letters Patent issuing therefrom, and also to execute separate assignments as the Assignee may deem necessary or desirable.

The Assignor agrees to execute any and all papers in connection with any litigation or administrative proceeding concerning the Application, any and all patent applications filed in the United States and in all other countries claiming priority to the Application, or any Letters Patent issuing therefrom, and also to cooperate with the Assignee in every way possible in obtaining evidence and participating in any such litigation or administrative proceeding.

The Assignor agrees to execute any and all papers and to perform any and all acts which the Assignee may deem necessary or desirable in view of the provisions of the Patent Cooperation Treaty, the International Convention for Protection of Industrial Property, or similar agreements.

The Assignor agrees to perform any and 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 patent protection, 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 Assignor hereby covenants that he has the full right to convey the interests herein assigned, and that the Assignor has not executed, and will not execute, any agreement in conflict herewith.

The Assignor hereby grants the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent & Trademark Office for recordation of this document. IN WITNESS WHEREOF, I have executed this assignment

at Davidson, N.C. this 2nd day of May, 2017  
(city, state) (date) (month) (year)

THOMAS S. DOUGHERTY  
Inventor (Printed Name)

[Signature]  
Inventor (Signature)

Outside the United States,  
the signatures of two  
witnesses are required  
when acknowledgment  
before a Notary Public  
is not feasible:

\_\_\_\_\_  
Witness (Signature)

\_\_\_\_\_  
Witness (Signature)

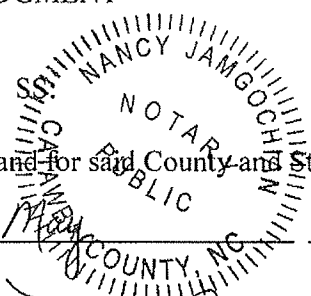
ACKNOWLEDGMENT

STATE OF North Carolina

COUNTY OF Mecklenburg

Acknowledged before me, a Notary Public, within and for said County and State. Witness my

hand and Notarial Seal this 2nd day of May, 2017



Nancy Jamgochian  
Notary Public (Signature)

Nancy Jamgochian  
Printed Name

My Commission Expires 9-25-2021

My Commission Expires: \_\_\_\_\_

Resident of Catawba County.