

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5631999

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN J. LINEHAN	10/26/2015
KELLY GLENN CAMPBELL	04/07/2016
RYAN D. HARTMAN	10/14/2015
NICHOLAS ABLE	10/08/2015
ERIC W. SEIDEL	04/07/2016
CHUN JIAN TANG	04/28/2016
<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>	16519530
<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>Email:</b>	taft-ip-docket@taftlaw.com
<b>Correspondent Name:</b>	TAFT STETTINIUS & HOLLISTER LLP
<b>Address Line 1:</b>	ONE INDIANA SQUARE
<b>Address Line 2:</b>	SUITE 3500
<b>Address Line 4:</b>	INDIANAPOLIS, INDIANA 46204
<b>ATTORNEY DOCKET NUMBER:</b>	IRND-2000
<b>NAME OF SUBMITTER:</b>	MEAGAN L. JACKSON
<b>SIGNATURE:</b>	/Meagan L. Jackson/
<b>DATE SIGNED:</b>	07/23/2019
<b>Total Attachments: 8</b>	

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## ASSIGNMENT

WHEREAS, John J. Linehan of 2719 Brocket Court, Jamison, PA 18929, Kelly Glenn Campbell of 800 A Beaty Street, Davidson, NC 28036, Ryan D. Hartman of 8419 Strathburn Ct., Apt. P, Huntersville, NC 28078, Nicholas Able of 11928 New Bond Dr., Huntersville, NC 28078, Eric W. Seidel of 800-B Beaty Street, Davidson, NC 28036, and Chun Jian Tang of 1467 Route 31 South, Annadale, NJ 08801 hereinafter referred to as Assignors, have made one or more new and useful inventions in SYSTEM AND METHOD FOR MODELING, SIMULATION, OPTIMIZATION, AND/OR QUOTE CREATION for which Assignors have made or will make application for Letters Patent of the United States (hereinafter the "Application"); and

WHEREAS, Ingersoll-Rand Company, hereinafter referred to as Assignee, a corporation of the State of New Jersey, having a principal place of business at 800-D Beaty Street, Davidson, North Carolina 28036, desires to acquire all of the entire right, title and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in the Application, and in, to and under the Application, and in, to and under any and all Letters Patent, United States and foreign, which may be obtained therefore and thereon;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other good, valuable and sufficient considerations to Assignor in hand paid, the receipt of which is hereby acknowledged, Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto Assignee, all of the entire right, title, and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in the

Application entitled SYSTEM AND METHOD FOR MODELING, SIMULATION, OPTIMIZATION, AND/OR QUOTE CREATION, U.S. Application No. 14/614,349, Filed February 4, 2015, and any and all other applications thereon and arising therefrom, including any and all applications claiming the benefit thereof, and any and all divisions, continuations, and continuations-in-part thereof, and any and all patents to be issued and obtained therefor and thereon, United States and foreign, including all reissues and extensions thereof.

Assignor hereby authorizes Assignee, its counsel, or its agents to fill-in some or all of the following list of information items (a) through (b) at the discretion of the Assignee, its counsel, or its agents:

(a) Application Number: 16/519,530

(b) Filing Date of the Application: July 23, 2019

Assignors hereby authorize and request the Honorable Assistant Secretary and Commissioner for Patents and Trademarks to issue said Letters Patent to Assignee, its assigns and legal representatives.

Assignors agree to assign and execute any and all other papers necessary or desirable for the procurement of Letters Patent on said invention in this and all foreign countries for the use of Assignee.

WITNESS Assignor's hand this 26 day of October, 2015.

[Signature]  
John J. Linehan

STATE OF Pa )  
 ) : SS  
COUNTY OF Bucks )

Before me, a Notary Public, in and for said County and State, personally appeared John J. Linehan, who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.

WITNESS my hand and Notarial Seal this 26<sup>th</sup> day of October, 2015.

[Signature]  
Notary Public

Printed: Michael Mizrachi

Resident of Montgomery County

My Commission Expires:

May 23, 2016

COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Michael Mizrachi, Notary Public  
Doylestown Boro, Bucks County  
My Commission Expires May 23, 2016  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

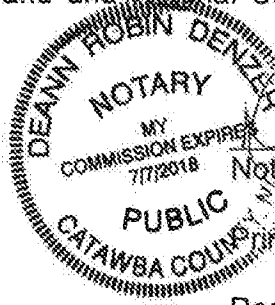
WITNESS Assignor's hand this 7 day of April, 2016.

Kelly Glenn Campbell  
Kelly Glenn Campbell

STATE OF North Carolina )  
COUNTY OF Mecklenburg ) : SS

Before me, a Notary Public, in and for said County and State, personally appeared Kelly Glenn Campbell, who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.

WITNESS my hand and Notarial Seal this 7<sup>th</sup> day of April, 2016.



DeAnn Robin Denzer  
Notary Public  
Robin  
Resident of Catawba County

My Commission Expires:

7/7/2018

WITNESS Assignor's hand this 14 day of October, 2015.

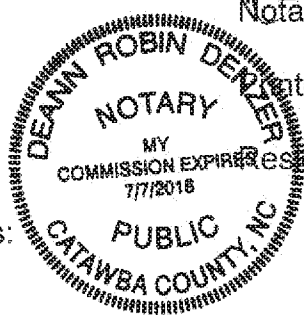
[Signature]  
Ryan D. Hartman

STATE OF North Carolina )  
COUNTY OF Mecklenburg ) : SS

Before me, a Notary Public, in and for said County and State, personally appeared Ryan D. Hartman, who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.

WITNESS my hand and Notarial Seal this 14th day of October, 2015.

[Signature]  
Notary Public



Witnessed: DeAnn Robin Denzer  
Resident of Catawba County

My Commission Expires: 7-7-2018

WITNESS Assignor's hand this 8 day of OCTOBER, 2015.

N. J. Able  
Nicholas Able

STATE OF North Carolina )  
 ) : SS  
COUNTY OF Mecklenburg )

Before me, a Notary Public, in and for said County and State, personally appeared Nicholas Able, who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.

WITNESS my hand and Notarial Seal this 8th day of October, 2015.

DeAnn Robin Denzer  
Notary Public  
Printed: DeAnn Robin Denzer  
Resident of Catawba County

My Commission Expires:  
7/7/2018



WITNESS Assignor's hand this 7 day of April, 2016.

[Signature]  
Eric W. Seidel

STATE OF North Carolina )  
 ) : SS  
COUNTY OF Mecklenburg )


Before me, a Notary Public, in and for said County and State, personally appeared Eric W. Seidel, who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.

WITNESS my hand and Notarial Seal this 7<sup>th</sup> day of April, 2016.

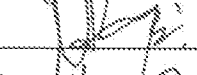
[Signature]  
Notary Public  
COMMISSION EXPIRES 7/7/2018  
Printed: DeAnn Robin Denzel  
PUBLIC  
Resident of Catawba County

My Commission Expires:  
7/7/2018

WITNESS Assignor's hand this 28 day of April, 2016.

  
\_\_\_\_\_  
Chun Jian-Fang

Witness Name: Uday Kumar Shelky

Witness Signature: 

Date: 28th April 2016

Ingersoll-Rand Company

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Date: \_\_\_\_\_

ASSIGNMENT  
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