

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6748845

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
IAN MICHAEL CASPER	11/16/2017
DIRCK LYON	04/02/2018
WALTER E. DOLL	06/03/2018
JOHN R. SCHWARTZ	12/11/2017
MARTIN YU	12/15/2017
RICK VAN BUREN	01/31/2018
ROBERTO DE PACO	12/22/2017
JOHN EVAN BADE	12/06/2017
CESAR SERRANO	12/12/2017
DANIELA BILMANIS	11/16/2017
SATHEESH KULANKARA	11/14/2017
JUSTIN P. KAUFFMAN	11/14/2017
BRIAN SMITH	11/15/2017
MARK A. ADAMS	11/15/2017
MARTIN L. DOLL JR.	11/15/2017
NICHOLAS STAUB	11/27/2017
RICHARD W. NADEAU	03/09/2018
WILLIAM L. KOPKO	11/16/2017
CHRIS PARASKEVAKOS	11/15/2017
MATTHEW J. SHAUB	11/14/2017
SEAN GAO	11/15/2017
CHRISTIAN C. RUDIO	11/15/2017
MAHESH VALIYA NADUVATH	11/17/2017
JONATHAN D. WEST	11/13/2017
RECEIVING PARTY DATA	
Name:	JOHNSON CONTROLS TECHNOLOGY COMPANY
Street Address:	915 EAST 32ND STREET
City:	HOLLAND
State/Country:	MICHIGAN
Postal Code:	49423

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	14771325
Application Number:	61772300

CORRESPONDENCE DATA**Fax Number:** (281)970-4503*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:** 281-970-4545**Email:** docket@fyiplaw.com, henwood@fyiplaw.com, burger@fyiplaw.com, ramirez@fyiplaw.com**Correspondent Name:** JOHNSON CONTROLS, INC. C/O FLETCHERYODER**Address Line 1:** P.O. BOX 692289**Address Line 4:** HOUSTON, TEXAS 77269**ATTORNEY DOCKET NUMBER:** XLR-26424-0084-WO/US**NAME OF SUBMITTER:** MATTHEW C. HENWOOD**SIGNATURE:** /Matthew C. Henwood/**DATE SIGNED:** 06/07/2021**Total Attachments: 13**

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JOINT ASSIGNMENT OF APPLICATION

Whereas, We, **Ian Michael CASPER, Dirck LYON, Walter E. DOLL, John R. SCHWARTZ, Martin YU, Li Li MOW, Rick VAN BUREN, Roberto DE PACO, John Evan BADE, Cesar SERRANO, Daniela BILMANIS, Satheesh KULANKARA, Justin P. KAUFFMAN, Brian SMITH, Mark A. ADAMS, Martin L. DOLL, JR., Nicholas STAUB, Richard W. NADEAU, William L. KOPKO, Chris PARASKEVAKOS, Matthew J. SHAUB, Sean GAO, Christian C. RUDIO, Mahesh Valiya NADUVATH, and Jonathan D. WEST**, hereafter referred to as "applicants" or "assignors", who reside at the corresponding addresses provided below, have invented certain new and useful improvements in a(n) **A MODULAR LIQUID BASED HEATING AND COOLING SYSTEM**

- ☐ for which an application for a United States Patent will be subsequently filed. We hereby authorize and request an attorney having the power of attorney to prosecute the application from McNees Wallace & Nurick LLC of 100 Pine Street, P.O. Box 1166, Harrisburg, PA 17108 to insert here in parenthesis (Application number _____, filed _____) the filing date and application number of the application when known.
- ☒ for which **Provisional Patent Application No. 61/772,300** was filed on **March 4, 2013**, and **PCT Patent Application No. PCT/US2014/020099** for a United States Patent was filed on **March 4, 2014**.

Whereas, **JOHNSON CONTROLS TECHNOLOGY COMPANY**, whose street address is **915 East 32nd Street, Holland, Michigan 49423, United States of America**, herein referred to as "assignee," is desirous of acquiring the entire right, title and interest in the same.

Now, therefore, in consideration of the sum of one dollar (\$1.00), the receipt whereof is acknowledged and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, We as assignors have sold, assigned, transferred, and set over, and hereby sell, assign, transfer and set over unto the assignee, its lawful successors and assigns, our entire right, title and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the


Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this assignment;

AND, We hereby covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, We hereby further covenant and agree that We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce Letters Patent for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

IN WITNESS WHEREOF and INTENDING TO BE LEGALLY BOUND, we hereunto set our hands having read and understood this Assignment.

 11/16/2017
Assignor Date

Ian Michael CASPER
1208 Laurel Oak Lane
York, Pennsylvania 17403
United States of America

Donna L. Wright 11/16/2017
Witness Date

Cornie S. Lardis 11/16/17
Witness Date

Date _____

United States of America

Date _____

Witness

Date _____

Date _____

United States of America

Date _____

Witness

Date _____

Date _____

United States of America

Date _____

Witness

Date _____

Date _____

Shanghai 31 200060, China

Date _____

Witness

Date _____

Assignor Date
Dirck LYON
6560 Donnegan Court SE
Grand Rapids, Michigan 49546
United States of America

Witness Date

Witness Date

Assignor Date
Walter E. DOLL
3715 Woodlawn Court
Buford, Georgia 30519
United States of America

Witness Date

Assignor Date
John R. SCHWARTZ
W316 S918 Hidden Hollow
Delafield, Wisconsin 53018
United States of America

Witness Date

Witness Date

Assignor Date
Martin YU
Johnson Controls Building Efficiency
Sales & Service
No. 1390 Xikang Road
Shanghai 31 200060, China

Witness Date

Witness Date

Attorney Docket No.: 218 / 26424-0084
Application No.

Assignor
Dirck LYON
6560 Donnegal Court SE
Grand Rapids, Michigan 49546
United States of America

Witness
Date

Witness
Date

Assignor
Walter E. DOLL
3715 Woodlawn Court
Buford, Georgia 30519
United States of America

Witness
Date

Witness
Date

Assignor
John R. SCHWARTZ
W316 S918 Hidden Hollow
Delafield, Wisconsin 53018
United States of America

Witness
Date

Witness
Date

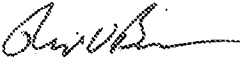
Assignor
Martin YU
Johnson Controls Building Efficiency
Sales & Service
No. 1390 Xikang Road
Shanghai 31 200060, China

Witness
Date


Witness
Date

Attorney Docket No.: 218 / 26424-0084
Application No.


Assignor Date
LI LI MOW
68 Realty Park Lorong 1
Singapore 536972

 1/31/18

Assignor Date
Rick VAN BUREN
7901 Forest View Court
North Richland Hills, Texas 76182
United States of America

 22/12/17

Assignor Date
Roberto DE PACO
Anna Frank 2
Terrassa 08225
Spain

 12/6/17

Assignor Date
John Evan BADE
449 Park Street
York, Pennsylvania 17401
United States of America

Witness Date

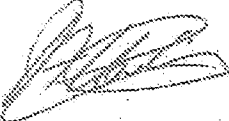
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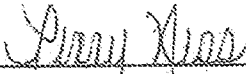
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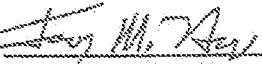
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 22/12/17

Witness Date

 12-6-17

Witness Date

 12/6/17

Witness Date

Brian S. Smith 11-15-2017 Corrie S. Landis 11/15/2017
Assignor Date Witness Date
Brian SMITH
4203 Britain Drive
York, Pennsylvania 17402
United States of America

Corrie S. Landis 11/15/17
Witness Date

Mark A. Adams 11/15/2017 Corrie S. Landis 11/15/2017
Assignor Date Witness Date
Mark A. ADAMS
2008 Derry Road
York, Pennsylvania 17408
United States of America

Corrie S. Landis 11/15/17
Witness Date

Martin L. Doll, Jr. 11/15/2017 Corrie S. Landis 11/15/2017
Assignor Date Witness Date
Martin L. DOLL, JR.
278 Amad Drive
York, Pennsylvania 17403
United States of America

Corrie S. Landis 11/15/17
Witness Date

Nicholas Staub

Assignor Date

Nicholas STAUB
1922 Bretton Lane
York, Pennsylvania 17408
United States of America

Chris

Witness

11.27.2017

Date

L. W.

Witness

11/27/17

Date

Assignor Date

Richard W. NADEAU
315 Mohawk Drive
Red Lion, Pennsylvania 17356
United States of America

Witness

Date

Witness

Date

William L. Kopko 11-16-2017

Assignor Date

William L. KOPKO
228 Creekwood Drive
Jacobus, Pennsylvania 17407
United States of America

Corie S. Bright

Witness

11/16/2017

Date

Corie S. Landis 11/16/17

Witness

Date

Chris Paraskevacos 11-15-2017

Assignor Date

Chris PARASKEVAKOS
3102 Skylight Drive East
York, Pennsylvania 17402
United States of America

Corie S. Bright

Witness

11/16/2017

Date


Corie S. Landis 11/15/17

Witness

Date

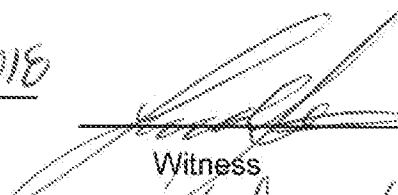

Assignor Date
Nicholas STAUB
1922 Bretton Lane
York, Pennsylvania 17408
United States of America

Witness Date

 3/9/2018
Assignor Date

Richard W. NADEAU
315 Mohawk Drive
Red Lion, Pennsylvania 17356
United States of America

Witness Date

 3/9/2018
Witness Date
 3-9-18
Witness Date

Assignor Date
William L. KOPKO
228 Creekwood Drive
Jacobus, Pennsylvania 17407
United States of America

Witness Date

Witness Date

Assignor Date
Chris PARASKEVAKOS
3102 Skylight Drive East
York, Pennsylvania 17402
United States of America

Witness Date

Witness Date

Matthew J. Shaub 11/14/17

Assignor Date
Matthew J. SHAUB
211 Poplar Street
Mount Joy, Pennsylvania 17552
United States of America

Sherry Niss 11-14-17

Witness Date

Joe Maga 11/14/17

Witness Date

Assignor Date

Sean GAO
2540 Tara Lane
York, Pennsylvania 17404
United States of America

Witness Date

Witness Date

Assignor Date

Christian C. RUDIO
1453 Bonbar Road
York, Pennsylvania 17403
United States of America

Witness Date

Witness Date

Assignor Date

Mahesh Valiya NADUVATH
1201 Walnut Wood Road
Cockeysville, Maryland 21030
United States of America

Witness Date

Witness Date

Assignor
Matthew J. SHAUB
211 Poplar Street
Mount Joy, Pennsylvania 17552
United States of America

Witness
Date

Sean GAO 11/15/2017
Assignor Date

Sean GAO
2540 Tara Lane
York, Pennsylvania 17404
United States of America

Witness
Date

Corrie S. Lardis 11/15/2017
Witness Date

Christian C. RUDIO 11/15/2017
Assignor Date

Christian C. RUDIO
1453 Bonbar Road
York, Pennsylvania 17403
United States of America

Witness
Date

Corrie S. Lardis 11/15/17
Witness Date

Mahesh Valiya NADUVATH 11/17/2017
Assignor Date

Mahesh Valiya NADUVATH
1201 Walnut Wood Road
Cockeysville, Maryland 21030
United States of America

Witness
Date

Theresa Reinhardt 11/17/2017
Witness Date

Application No.

Date _____

United States of America

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