505994752 04/01/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID ANDREW BRADSHAW	08/09/2018
ANDREW MICHAEL WELCH	08/05/2018
CURTIS C. CRANE	08/20/2018
CALVIN ANDREW NELSON	08/15/2018

RECEIVING PARTY DATA

Name:	JOHNSON CONTROLS TECHNOLOGY COMPANY	
Street Address:	2875 HIGH MEADOW CIRCLE	
City:	AUBURN HILLS	
State/Country:	MICHIGAN	
Postal Code:	48326-2773	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16652587

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

Correspondent Name: JOHNSON CONTROLS, INC. C/O FLETCHERYODER

Address Line 1: P.O. BOX 692289

Address Line 4: HOUSTON, TEXAS 77269

ATTORNEY DOCKET NUMBER:	17BE287-WOUS (JCCH0398US)	
NAME OF SUBMITTER:	STEVEN J. SINCLAIR, JR.	
SIGNATURE:	/Steven J. Sinclair, Jr./	
DATE SIGNED:	04/01/2020	

Total Attachments: 5

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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to Johnson Controls Technology Company (the "Assignee"), a corporation of the State of Michigan, having a place of business at 2875 High Meadow Circle, Auburn Hills, Michigan 48326-2773, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which is entitled "ACTIVATION AND DEACTIVATION OF A PURGE UNIT OF A VAPOR COMPRESSION SYSTEM BASED AT LEAST IN PART ON CONDITIONS WITHIN A CONDENSER OF THE VAPOR COMPRESSION SYSTEM," and which may be further identified below, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States, including all provisional and non-provisional applications, and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST that any attorney associated with PTO Customer No. 75576 may delete, insert, or alter any information identifying this application, or any related application, below after execution of this assignment;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements:

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Additional Application Information U.S. Provisional Application Serial No. 62/570,449 , filed on October 10, 2017 . U.S. Provisional Application Serial No. 62/610,778 , filed on December 27, 2017 . U.S. Non-Provisional Application Serial No. 16/652,587 , filed on March 31, 2020 . International Application Serial No. PCT/US2018/054441, filed on October 4, 2018 .

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INVENTOR 1:	
Signature: David Andrew Bradshaw	Date: 8/9/2018
Witnessed by: Signature	Date: 8/9/2018
BRYSON SUEARAGE Printed Name of Witness	
Witnessed by: Kailling Lague Signature	
Kaitlin J Logan Printed Name of Witness	
SECTION BELOW IS FOR USE ONI	LY IF SIGNING IN PRESENCE OF A NOTARY
David Andrew Bradshaw	Date:
STATE OF) COUNTY OF) §§.	
This day of, 2018, be Bradshaw to me personally known as the individuate to me that he executed the same of his own free will	before me personally came the above-named David Andrew all who executed the foregoing assignment, who acknowledged I for the purposes therein set forth.
(Seal)	Notary Public My Commission expires:

INVENTOR 2:	
Signature: July 11/4/L Andrew Michael Welch	
Witnessed by: <u>Ask Acababa</u> Signature <u>Justin</u> Headering Printed Name of Witness	
Witnessed by: <u>Jane Back</u> Signature <u>Jessica E Back</u> Printed Name of Witness	Date:
SECTION BELOW IS FOR USE ONL	Y IF SIGNING IN PRESENCE OF A NOTARY
	Date:
Andrew Michael Welch	
STATE OF	
This day of 2018, be Welch, to me personally known as the individual we me that he executed the same of his own free will fo	fore me personally came the above-named Andrew Michael who executed the foregoing assignment, who acknowledged to or the purposes therein set forth.
(Sent)	Notary Public My Commission expires:

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INVENTOR 3:	
Signature: Curtis C. Crane	
Witnessed by: Signature Cail Lindberg Printed Name of Witness	Date: <u>8/20/2018</u>
Witnessed by: Carlos J. Uribe Printed Name of Witness	Date: 8/20/2018
SECTION BELOW IS FOR USE ONI	LY IF SIGNING IN PRESENCE OF A NOTARY
Curtis C. Crane	Date:
STATE OF) COUNTY OF) \$\\ \\$\\ \\$\\ \\$\\ \\$\\ \\$\\ \\$\\ \\$\\	
This day of, 2018, before personally known as the individual who execute executed the same of his own free will for the purpose.	Fore me personally came the above-named Curtis C. Crane , to ed the foregoing assignment, who acknowledged to me that he oses therein set forth.
(Seal)	Notary Public My Commission expires:

17BE287 / JCCH:0398 INVENTOR 4: Cal A Nec Date: 8/15/18 Witnessed by: Mary B Moescl Printed Name of Witness Date: 8/15/2018 Witnessed by: Date: 8/15/2018 Signature Ryan E. Selia Printed Name of Witness SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY Calvin Andrew Nelson STATE OF _____

This _____ day of _____, 2018, before me personally came the above-named Calvin Andrew Nelson, to me personally known as the individual who executed the foregoing assignment, who acknowledged to

Notary Public

me that he executed the same of his own free will for the purposes therein set forth.

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My Commission expires:

RECORDED: 04/01/2020

(Seal)