

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4051384

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JASON M. MANNING	09/07/2016
JUSTIN ELLRICH	09/07/2016
SHAWN D. HOFFART	09/07/2016
RECEIVING PARTY DATA	
Name:	BLACK & VEATCH HOLDING COMPANY
Street Address:	1401 LAMAR AVENUE
City:	OVERLAND PARK
State/Country:	KANSAS
Postal Code:	66211
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	15255805
PCT Number:	US1650740
CORRESPONDENCE DATA	
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Address Line 2:	84 CORPORATE WOODS
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ATTORNEY DOCKET NUMBER:	47699-US; 47699-PCT
NAME OF SUBMITTER:	PAUL J. WALKER
SIGNATURE:	/Paul J. Walker/
DATE SIGNED:	09/14/2016
Total Attachments: 6	
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ASSIGNMENT

WHEREAS, WE, Jason M. Manning of 14009 Hayes Street, Overland Park, KS 66221, Justin Ellrich of 11700 Slater Street, Overland Park, KS 66210, and Shawn D. Hoffart of 12301 W 155 Street, Overland Park, KS 66221, have invented certain new and useful improvements in

MIXED REFRIGERANT DISTRIBUTED CHILLING SCHEME

which is the subject of U.S. Provisional Patent Application No. 62/216,226, filed September 9, 2015; and for which WE are about to file a PCT application and U.S. Patent Application (identified under attorney Docket No. 47699-PCT and 47699-US) (the "Applications"); and

WHEREAS, Black & Veatch Holding Company, a corporation duly organized under the laws of the State of Delaware and having its principal place of business at 11401 Lamar Avenue, Overland Park, KS 66211, is desirous of acquiring an interest in, to, and under said invention, said Application and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto.

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledge, WE, Jason M. Manning of 14009 Hayes Street, Overland Park, KS 66221, Justin Ellrich of 11700 Slater Street, Overland Park, KS 66210, and Shawn D. Hoffart of 12301 W 155 Street, Overland Park, KS 66221, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto said ASSIGNEE, the full and exclusive right, title, and interest, throughout the world, in, to, and under the following:

- (a) said invention as fully set forth and described in said Applications;
- (b) said Applications;
- (c) any and all refilings, divisions, and continuations of said Applications;
- (d) any and all Letters Patent of the United States of America that may issue from said Applications, refilings, divisions, and continuations;
- (e) any and all reissues of said Letters Patent of the United States of America;
- (f) any and all applications for Letters Patent on said invention that have been, or may be, filed in any and all countries foreign to the United States of America, together with all rights to file and to claim priority in connection with said foreign-filed applications;

(g) any and all refilings, divisions, and continuations of said foreign-filed applications;

(h) any and all Letters Patent of countries foreign to the United States of America that may issue from said foreign-filed applications, refilings, divisions, and continuations; and

(i) any and all extension of, and additions to, said Letters Patent of countries foreign to the United States of America.

ALL of the above shall be held and enjoyed by said Black & Veatch Holding Company for its own use and behoof, and for its successors, legal representatives, and assigns, to the full end of the term for which said Letters Patent may be granted, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent in accordance with this Assignment.

Assignor(s) further agree to execute all paperwork and provide any other requested, non-monetary assistance in procuring, perfecting, enforcing, and/or defending Assignee's rights in the rights assigned herein.

Executed this 27 day of SEPTEMBER, 2016.

Jason M. Manning
Jason M. Manning

STATE OF Kansas

)SS.

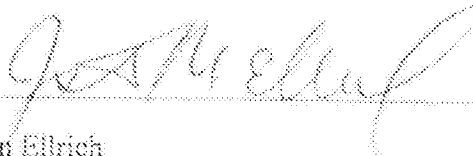
COUNTY OF Johnson

On this 7th day of September, 2016, before me personally appeared Jason M. Manning of 14009 Hayes Street, Overland Park, KS 66221, to me known to be the person described in and who executed the foregoing instrument, and who duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

Corey Ettinger
Notary Public

My Commission Expires: 3/5/2019

Executed this 7th day of September, 2016.

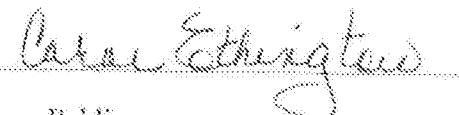

Justin Ellrich

STATE OF Kansas

)SS.

COUNTY OF Johnson

On this 7th day of September, 2016, before me personally appeared Justin Ellrich of 11700 Slater Street, Overland Park, KS 66210, to me known to be the person described in and who executed the foregoing instrument, and who duly acknowledged to me that he executed the same for the uses and purposes therein set forth.


Notary Public

My Commission Expires: 3/5/2019

Executed this 07 day of SEPTEMBER, 2016

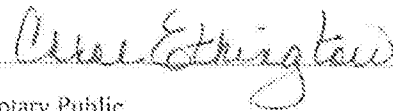


STATE OF Kansas

SS.

COUNTY OF Johnson

On this 7th day of September 2016, before me personally appeared Shawn D. Hoffart of 12301 W 155 Street, Overland Park, KS 66221, to me known to be the person described in and who executed the foregoing instrument, and who duly acknowledged to me that he executed the same for the uses and purposes therein set forth.


Notary Public

My Commission Expires: 2/5/2019

Black & Veatch Holding Company hereby declares it accepts the rights and property hereby assigned and transferred to it.

Black & Veatch Holding Company

By 

Name: Steve Edwards

Title: CEO & President