## 502960530 09/03/2014 PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE:      |                                | NEW ASSIGNMENT   |                |
|-----------------------|--------------------------------|--|----------------|
| NATURE OF CONVEYANCE: |                                | ASSIGNMENT   |                |
| CONVEYING PARTY DA    | ATA                            |  |                |
|                       |                                | Name   | Execution Date |
| KEVIN L. CURRENCE     |                                |  | 08/25/2014     |
| DANIEL G. MCCARTNE    | Y                              |  | 08/25/2014     |
| RECEIVING PARTY DA    | ТА                             |  |                |
| Name:                 | BLACK & VEATCH HOLDING COMPANY |  |                |
| Street Address:       | 11401 LAMAR AVENUE             |  |                |
| City:                 | OVERLAND PARK                  |  |                |
| State/Country:        | KANSAS                         |  |                |
| Postal Code:          | 66211                          |  |                |
| PROPERTY NUMBERS      | Total: 1                       |  |                |
| Property Type         |                                | Number   |                |
| Application Number:   |                                | 14466820   |                |
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| ATTORNEY DOCKET NUMBER: | 45841-US               |
|-------------------------|------------------------|
| NAME OF SUBMITTER:      | THOMAS B. LUEBBERING   |
| SIGNATURE:              | /Thomas B. Luebbering/ |
| DATE SIGNED:            | 09/03/2014             |

## **Total Attachments: 5**

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#### ASSIGNMENT

WHEREAS, WE, Kevin L. Currence of 14041 W. 158th Street, Olathe, KS 66062 and Daniel G. McCartney of P.O. Box 27089, Shawnee Mission, KS 66225, have invented certain new and useful improvements in

# SYSTEMS AND METHODS FOR HYDROCARBON REFRIGERATION WITH A MIXED REFRIGERANT CYCLE,

for which WE are about to make application for Letters Patent of the United States, and which is the subject of U.S. Provisional Patent Application No. 61/904,895, filed on November 15, 2013, and U.S. Provisional Patent Application No. 61/928,244, filed on January 16, 2014 (said "Provisional 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, said Provisional Applications, 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 acknowledged, WE Kevin L. Currence of 14041 W. 158th Street, Olathe, KS 66062 and Daniel G. McCartney of P.O. Box 27089, Shawnee Mission, KS 66225, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto said Black & Veatch Holding Company, 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 the specification prepared and executed by me on even date herewith preparatory to obtaining Letters Patent of the United States therefor and identified under attorney Docket No. 45841-US;

(b) said Application and said Provisional Applications;

(c) any and all refilings, divisional, and continuations of said Application;

(d) any and all Letters Patent of the United States of America that may issue from said
Application, 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 may hereafter 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.

## PATENT REEL: 033659 FRAME: 0135

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

Executed this 25 day of August, 2014.

Hen F amer

STATE OF Kansan) SS. COUNTY OF Shuron ) On this 25<sup>th</sup> day of <u>August</u>, 2014, before me personally appeared Kevin L. Currence of 14041 W. 158th Street, Olathe, KS 66062, to me known to be the persons described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

Caral Ethera Low Notary Public

My Commission Expires:  $\frac{3/5/2015}{5}$ 

Executed this 2514 day of August, 2014. Daniel G. McCartney

STATE OF Kausa) ) SS. COUNTY OF Johnson) On this 25<sup>th</sup> day of <u>August</u>, 20<u>14</u>, before me personally appeared Daniel G. McCartney of P.O. Box 27089, Shawnee Mission, KS 66225, to me known to be the persons described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

Value Edinatoro Notary Public

My Commission Expires:  $\frac{3}{5}/2015$ 

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

Black & Veatch Holding Company

By Jully 6 John Name: Timothy W. Triplett M Title: Executive VP+ Secretary

PATENT REEL: 033659 FRAME: 0138

**RECORDED: 09/03/2014**