

## PATENT ASSIGNMENT

Electronic Version v1.1  
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|--------------------------------------------------------------------------------------|---------------------------------------|
| SUBMISSION TYPE:                                                                     | NEW ASSIGNMENT                        |
| NATURE OF CONVEYANCE:                                                                | ASSIGNMENT                            |
| CONVEYING PARTY DATA                                                                 |                                       |
| Name                                                                                 | Execution Date                        |
| Donald Gayton                                                                        | 07/03/2013                            |
| RECEIVING PARTY DATA                                                                 |                                       |
| Name:                                                                                | Kairama Inc.                          |
| Street Address:                                                                      | Suite 1300, 777 Dunsmuir Street       |
| Internal Address:                                                                    | P.O. Box 10424, Pacific Centre        |
| City:                                                                                | Vancouver                             |
| State/Country:                                                                       | CANADA                                |
| Postal Code:                                                                         | V7Y 1K2                               |
| PROPERTY NUMBERS Total: 1                                                            |                                       |
| Property Type                                                                        | Number                                |
| Application Number:                                                                  | 13935536                              |
| CORRESPONDENCE DATA                                                                  |                                       |
| Fax Number:                                                                          | 6046814081                            |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> |                                       |
| Phone:                                                                               | (604)669-3432                         |
| Email:                                                                               | GNMdocket@patentable.com              |
| Correspondent Name:                                                                  | Oyen Wiggs Green & Mutala LLP         |
| Address Line 1:                                                                      | 480 - The Station, 601 W. Cordova St. |
| Address Line 4:                                                                      | Vancouver, CANADA V6B 1G1             |
| ATTORNEY DOCKET NUMBER:                                                              | K363 0003/GNM                         |
| NAME OF SUBMITTER:                                                                   | Gavin N. Manning                      |
| Signature:                                                                           | /GavinNManning/                       |
| Date:                                                                                | 07/04/2013                            |

This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 3**

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ASSIGNMENT OF INVENTIONS AND RELATED PATENT RIGHTS

WHEREAS THE FOLLOWING PERSON:

Donald Gayton  
4635 Caulfeild Drive  
West Vancouver, British Columbia  
V7W 1E9  
Canada

an Assignor, whose full post office address is set out above, is the inventor of certain inventions or improvements (the "Inventions") described and/or claimed in:

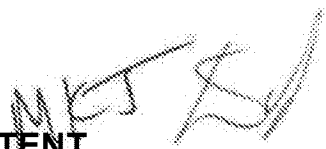
- United States Patent Application No. 61/668025 filed on 4 July 2012 and entitled ISOTHERMAL MACHINES, SYSTEMS AND METHODS;
- PCT International Patent Application No. PCT/CA2013/050518 filed on 4 July 2013 and entitled TEMPERATURE MANAGEMENT IN GAS COMPRESSION AND EXPANSION; and,
- United State Patent Application No. 13/935536 filed on 4 July 2013 and entitled ISOTHERMAL MACHINES, SYSTEMS AND METHODS (Oyen Wiggs Green & Mutala LLP is hereby authorized to insert the application numbers and filing dates of the applications, when available) (the "Applications");

AND WHEREAS, Kairama Inc. (the "Assignee"), whose full post office address is Suite 1300, 777 Dunsmuir Street, P.O. Box 10424, Pacific Centre, Vancouver, British Columbia, V7Y 1K2, Canada, wishes to own the entire worldwide right, title, and interest in and to: the Inventions, the Application, and all patents which may be granted on or as a result thereof in all countries;

In consideration of ONE (\$1.00) DOLLAR and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor, does hereby, sell, assign, transfer, and set over to the Assignee the entire worldwide right, title, and interest in and to:

- the Inventions;
- the Applications;
- all continuations, divisions, renewals of, or substitutes for the Applications;
- the right to file counterparts to the Applications in all countries and regions;
- the right to claim priority from the Applications in all countries and regions;
- each and every additional application that claims any part of the Inventions;
- each and every additional application that is in any way based on or claims priority from or corresponds to the Applications;
- all patents which may be granted on or as a result thereof; and
- any reissue or reissues of such patents;

the same to be held and enjoyed by the Assignee, its successors, assigns, nominees, or legal representatives, to the full end of the term or terms for which such patents respectively may be granted, reissued, or extended, as fully and entirely as the same would have been held and

  
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enjoyed by the Assignor(s), had this Assignment, sale, and transfer not been made. If there are two or more Assignors, the sale, assignment, and transfer is made both jointly and severally.

Assignor hereby covenants that he: has full right to convey the entire interest herein assigned; has not encumbered the rights and properties transferred by this Assignment in any manner; has not executed and will not execute any agreement to transfer any rights in the Inventions and/or the Applications to anyone other than the Assignee; and has not executed and will not execute any agreement that is otherwise in conflict herewith.

Assignor promises that he shall:

- each time a request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to the Inventions, the Applications, and the patents in the Assignee, its successors, assigns, nominees, or legal representatives;
- each time a request is made and without undue delay execute and deliver such additional papers the Assignee considers to be necessary or desirable for use in: prosecution of the applications; interference proceedings involving the applications or patents; oppositions involving the applications or patents; applications to reissue or re-examine the patents; or filing additional applications to protect the Inventions in any country;
- communicate to the Assignee, or its nominees, all known facts respecting the Inventions, the Applications, and said patents and assist in the ascertainment of facts and the production of evidence relating to the Inventions, the applications, or the patents;
- testify in any legal proceedings;
- sign all lawful papers;
- execute all disclaimers and divisional, continuing, reissue, and foreign applications;
- make all rightful oaths; and
- generally to do everything possible to aid the Assignee, its successors, assigns, nominees, and legal representatives to obtain and enforce for its or their own benefit, proper patent protection for the Inventions in all countries;

all at the expense, however, of the Assignee or its successors, assigns, nominees, or legal representatives.

Assignor hereby irrevocably designates and appoints the Assignee and its duly authorized officers and agents, and their successors, as his or her agents and attorneys-in-fact, to act on the Assignor(s)'s behalf and instead of the Assignor(s), to execute and file applications to patent the Inventions in all countries, and to do all other proper lawfully permitted acts to further the assignment, prosecution, and issuance of patents for the Inventions with the same legal force and effect as if executed by the Assignor(s). This power of attorney shall be deemed coupled with an interest and is irrevocable.

Assignor hereby authorizes and requests any official of any country or countries whose duty it is to issue patents on applications to issue to the Assignee, its successors, assigns, nominees, or legal representatives all patents for the Inventions in accordance with the terms of this Assignment.

MKT

Declarations of Assignor(s) for United States

Assignor hereby declares that:

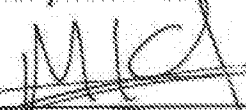
1. The above-identified Applications were made or authorized to be made by me;
2. I believe that I am the original inventor or an original joint inventor of a claimed invention in the Applications; and
3. I hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

EXECUTED at Vancouver, BC,  
(city) (province/state)Canada this 3 day of July, 2013.  
(country) (month)

SIGNED, SEALED &amp; DELIVERED

by Donald Gayton

in the presence of:

  
\_\_\_\_\_  
Signature of WitnessMichael K. Jackson  
\_\_\_\_\_  
Print Witness's Name10660 Whistler Court  
Richmond, BC, V7E4C7, CANADA  
\_\_\_\_\_  
Print Witness's AddressEngineer  
\_\_\_\_\_  
Print Witness's Occupation  
\_\_\_\_\_  
Donald Gayton