

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | DENNIS CRAVENS | 02/15/2019 |
| RECEIVING PARTY DATA | | |
| Name: | INDUSTRIAL HEAT LLC | |
| Street Address: | 310 S. WEST STREET, SUITE 100 | |
| City: | RALEIGH | |
| State/Country: | NORTH CAROLINA | |
| Postal Code: | 27603 | |
| PROPERTY NUMBERS Total: 2 | | |
| Property Type | Number | |
| Application Number: | 62804989 | |
| Application Number: | 16361825 | |
| CORRESPONDENCE DATA | | |
| Fax Number: | (919)882-8195 | |
| <i>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.</i> | | |
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| ATTORNEY DOCKET NUMBER: | 438/98 PROV & 438/98 UTIL | |
| NAME OF SUBMITTER: | DONNA M. DONOVAN | |
| SIGNATURE: | /Donna M. Donovan/ | |
| DATE SIGNED: | 07/24/2019 | |
| Total Attachments: 3 | | |
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| source=438-98PROV_20190222-Executed Assignment#page3.tif | | |

DECLARATION AND ASSIGNMENT OF RIGHTS

As a below named inventor (hereinafter designated as the undersigned or the Assignor, where appropriate), I hereby declare that:

The application is as identified by the attorney docket number, title, Filing Date, or Application Title as set forth in the following Table I.

The application in Table I was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the applications in Table I.

The undersigned hereby acknowledges 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.

WHEREAS, the undersigned, **Dennis Cravens**, (hereinafter “Assignor”) has/have invented certain new and useful improvements described in the application(s) identified in Table I.

AND, WHEREAS, **Industrial Heat, LLC**, having a place of business at 310 West Street, Suite 100, Raleigh, North Carolina 27603 (hereinafter “Assignee”), has already acquired an interest in the application(s) identified in Table I by and through an employment or other agreement between Assignor and Assignee. I further authorize an agent of the Assignee to insert the filing date, application number, and any other identifying particulars as required for perfecting these assignment papers.

However, in the avoidance of doubt and as confirmation of the already acquired interest by Assignee, NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has assigned and by these presents does hereby sell, assign, transfer, and convey unto the Assignee, its successors and assigns, his entire right, title, and interest in and to the invention and application, including the right to sue for past infringements and any other prior occurring rights, provided any such rights exist, and in and to any and all domestic and foreign patent applications filed on the invention, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America, and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with his right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and

entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. Assignor further assigns to Assignee the right to claim entitlement and/or priority to any applications that entitlement or priority may be claimed for this or any later filed application, including the assignment of any provisionals or other priority documents to which the inventions claim priority to. The assignment of the right to claim entitlement and/or priority is executed *nunc pro tunc* and is considered effective as of the filing date of the earliest application to which priority and/or entitlement is claimed.

Assignor hereby requests that said Letters Patent be issued in accordance with this assignment.

Assignor further covenants and agrees that, at the time of the execution and delivery of these presents, Assignor possesses full title to the invention and application above-mentioned, and that he has the unencumbered right and authority to make this assignment.

Assignor further covenants and agrees, and likewise binds his heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to him relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the said invention in all countries and to vest in the Assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

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TABLE I and Signature Page follows

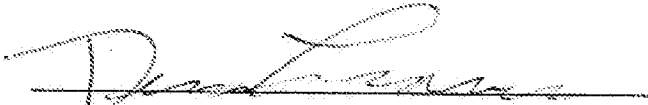
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438/98 PROV

TABLE I

| Application No. | Attorney Docket No. | Filing Date | Title |
|-----------------|------------------------|---------------|---|
| 62/804,989 | 438/98 PROV | Feb. 13, 2019 | METHODS FOR ENHANCED ELECTROLYTIC LOADING OF HYDROGEN |

Executed this 15 day of Feb, 2019.


DENNIS CRAVENS
(Assignor)