

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5665469

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	INDUSTRIAL HEAT LLC	08/08/2019
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	IH IP HOLDINGS LIMITED	
<b>Street Address:</b>	44 ESPLANADE	
<b>City:</b>	ST. HELIER	
<b>State/Country:</b>	JERSEY	
<b>Postal Code:</b>	JE4 9WG	
<b>PROPERTY NUMBERS Total: 2</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	62804989	
<b>Application Number:</b>	16361825	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(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>		
<b>Phone:</b>	9193482194	
<b>Email:</b>	docket@nkpatentlaw.com	
<b>Correspondent Name:</b>	NK PATENT LAW	
<b>Address Line 1:</b>	4917 WATERS EDGE DRIVE, SUITE 275	
<b>Address Line 4:</b>	RALEIGH, NORTH CAROLINA 27606	
<b>ATTORNEY DOCKET NUMBER:</b>	438/98 PROV & 438/98 UTIL	
<b>NAME OF SUBMITTER:</b>	DONNA M. DONOVAN	
<b>SIGNATURE:</b>	/Donna M. Donovan/	
<b>DATE SIGNED:</b>	08/13/2019	
<b>Total Attachments: 3</b>		
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ASSIGNMENT

For good and valuable consideration, the sufficiency of which is hereby acknowledged, **Industrial Heat, LLC**, having its principal place of business at 310 S. West Street, Suite 100, Raleigh, NC 27603 (hereafter referred to as "Assignor(s)") hereby assigns to **IH IP Holdings Limited**, a corporation duly organized under and pursuant to the laws of Jersey, having a registered address at 44 Esplanade, St. Helier, Jersey JE4 9WG (hereby referred to as "Assignee"), the entire (100%) right, title, and interest in and to the methods for enhanced electrolytic loading of hydrogen (hereby referred to as "Inventions") as described in the application for patent, U.S. Provisional Patent Application No. 62/804,989, titled **METHODS FOR ENHANCED ELECTROLYTIC LOADING OF HYDROGEN**, filed on February 13, 2019, and described in any and all applications in any and all countries derived thereof, and the entire (100%) right, title, and interest in and to any and all applications for Patents, including but not limited to Letters Patent and Design Patents, or Utility Models in any and all countries and pursuant to all multilateral treaty organizations, including the Paris Convention for the Protection of Industrial Property, the Patent Cooperation Treaty and the European Patent Convention, including without limitation, all continuations, continuations-in-part, divisions, or other applications claiming priority directly or indirectly from the afore identified application for patent, and any United States or foreign Letters Patent and Design Patents, Utility Models, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, together with the right to claim priority to any of the aforesaid applications and patents and any applications and patents derived thereof and therefrom, these rights, titles, and interests to be held and enjoyed by Assignee, its successors, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this Assignment not been made.

Assignor further transfers and assigns to Assignee all causes of action, rights, and remedies arising under any of the aforesaid applications for patents, including but not limited to Letters Patents, Design Patents and Utility Models, and any other similar rights resulting therefrom prior to or after the effective date of this Assignment, and the right to sue for and recover for past infringements of or liabilities for any of the rights relating to any of the applications for Patents, Letters Patents, utility models, or other similar rights resulting therefrom.

Assignor hereby authorizes and requests any official whose duty is to issue patents to issue any patent on Inventions or resulting therefrom to Assignee, or its successors, assigns, or nominees.

Assignor hereby agrees, on request and without further consideration, but at the expense of Assignee, to communicate to Assignee or its representatives or nominees any facts known to us with respect to related improvements and to testify in any legal proceedings, sign all lawful papers, execute all divisions, continuations, continuations-in-part, and reissue applications, make all rightful oaths, and generally aid Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for Inventions.

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment. Assignor hereby agrees that we will not take any actions in violation of this Assignment.

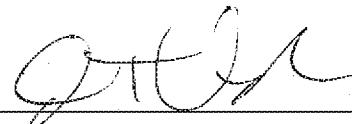
This Assignment shall be governed by and construed under, and any dispute, controversy or claim related hereto shall be decided in accordance with, the laws of the United States.

If any of the provisions of this Assignment shall be deemed invalid or unenforceable, the entire Assignment shall be construed as if not containing the particular invalid or unenforceable provision or provisions, and the rights and obligations of Assignee and Assignor(s) shall be construed and enforced accordingly.

Assignee's failure to exercise any option made available as a result hereof, shall not be construed as a waiver of such provisions, rights, or options, or affect the validity of this Assignment.

Industrial Heat, LLC

Date 8/8/19

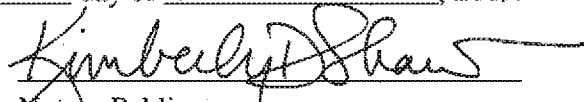
  
Signature of Assignor

John T. Vaughn, Chief Operating Officer  
Name, Title

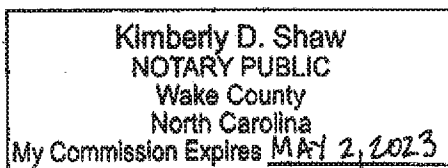
North Carolina  
Wake County

I, KIMBERLY D. SHAW, a Notary Public for said County and State, do hereby certify that John T. Vaughn, Chief Operating Officer, Industrial Heat, LLC, personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 8 day of AUGUST, 2019.

  
Notary Public

My commission expires: MAY 2, 2023

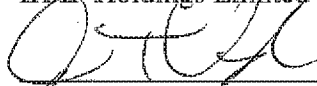


## ACCEPTANCE OF ASSIGNMENT

Assignee hereby accepts the foregoing assignment.

Date 8/8/19

IH IP Holdings Limited



Signature of Assignee

John T. Vaughn, Director

Name, Title

Date 8/8/19

Witnessed by

Name:

Address:

Wendy L. Carter

Wendy L. Carter

310 S. West St. Suite 100  
Raleigh, NC 27603