

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT6897540

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RYAN MATTHEW HEFFNER	08/23/2021
EUGENE CHARLES JANSEN	09/01/2021
JEFFREY DEAN JENNINGS	08/23/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EQUILIBAR, LLC
<b>Street Address:</b>	320 RUTLEDGE ROAD
<b>City:</b>	FLETCHER
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28732
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15976495
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(704)464-1084
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<b>ATTORNEY DOCKET NUMBER:</b>	1196/5US
<b>NAME OF SUBMITTER:</b>	JONATHAN M. HINES
<b>SIGNATURE:</b>	/Jonathan M. Hines/
<b>DATE SIGNED:</b>	09/02/2021
<b>Total Attachments: 5</b>	
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**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY PATENT  
APPLICATION**

As the below named inventors, we hereby declare that:

This declaration and assignment are directed to:

**DOME-LOADED BACK PRESSURE REGULATOR WITH SETPOINT PRESSURE  
ENERGIZED BY PROCESS FLUID**

- ☐ the specification of which is attached hereto, OR
- ☒ United States application or PCT international application number  
**15/976,495** filed on **May 10, 2018**, as amended on [date] (if applicable).  
(We hereby authorize and request my attorneys to insert above the application number and filing date of the application when known.)

The above-identified application was made or authorized to be made by us.

We believe that we are the original inventors of a claimed invention in the application.

We hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC § 1001 by fine or imprisonment of not more than five (5) years, or both.

We have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of this application as defined in 37 CFR § 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the filing date of the continuation-in-part application.

For good and valuable consideration of which we acknowledge receipt, we,

Inventor First Name	Inventor Middle Name	Inventor Last Name		Residence Town	Residence State	Residence Country
Ryan	Matthew	Heffner	of	Asheville	NC	US
Eugene	Charles	Jansen	of	Stafford	VA	US
Jeffrey	Dean	Jennings	of	Hendersonville	NC	US

hereby sell and assign to:

Name of Assignee: <i>EQUILIBAR, LLC</i>
Entity Type (optional): <i>North Carolina corporation</i>
Address: <i>320 Rutledge Road, Fletcher, NC 28732</i>

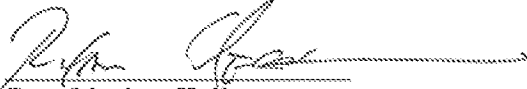
herein referred to as "Assignee", its successors and assigns our entire rights, titles, and interests in and to the invention and improvements made or conceived by me described in the application(s) listed above and in the following table:

Country of Filing	Type of Filing	Application Number	Filing Date	Title
US	Provisional	62/504,274	May 10, 2017	DOME-LOADED BACK PRESSURE REGULATOR WITH SET-POINT PRESSURE ENERGIZED BY PROCESS FLUID AND APPLICATIONS FOR THERMAL SYSTEMS
US	Provisional	62/648,624	March 27, 2018	SELF-ENERGIZED HEAT EXCHANGER PRESSURE CONTROLLER FOR THERMAL SYSTEMS

(We hereby authorize and request my attorneys to insert above the application number and filing date of the application(s) when known.)

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, continuations-in-part, reexaminations, renewals, and reissues thereof, and all rights of priority resulting from the filing of the application(s), and authorize and request any official whose duty it is to issue patents, to issue any patent on the inventions and improvements resulting therefrom to the Company, or its successors or assigns, and agree that on request and without further consideration, I will communicate to the Company or its representatives or nominees any facts known to us respecting the inventions and improvements and testify in any legal proceeding, make all rightful oaths, sign all lawful papers and execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights in all countries including, but not limited to, any provisional, non-provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, for any derivation proceedings relating thereto, and, as to any patents that issue from such applications, for any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and generally do everything possible to aid the Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for the invention and its improvements in all countries.

WITNESS MY hand and seal this 23<sup>rd</sup> day of AUGUST, 2021.



Ryan Matthew Heffner

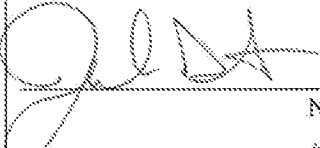
NOTARY ACKNOWLEDGMENT

STATE OF NORTH CAROLINA COUNTY OF GUNCOMBE

I, JULIE DETMERING, a Notary Public for said County and State do hereby certify that

Ryan Matthew Heffner appeared before me personally and signed the aforementioned Assignment.

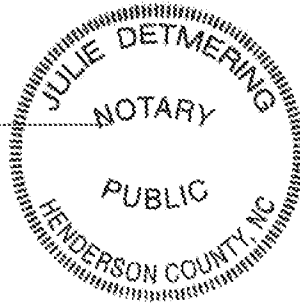
This the 23<sup>rd</sup> day of AUGUST, 2021.



Notary Public

My Commission Expires 01-29-23

SEAL



WITNESS MY hand and seal this 1st day of September, 2021.

Eugene Charles Jansen

NOTARY ACKNOWLEDGMENT

STATE OF Virginia COUNTY OF Stafford

I, Chris Shin, a Notary Public for said County and State do hereby certify that

Eugene Charles Jansen appeared before me personally and signed the aforementioned Assignment.

This the 1st day of September, 2021.

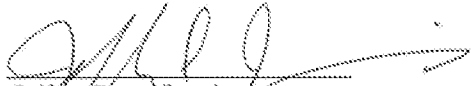
Chris Shin  
Notary Public

My Commission Expires 11/30/2023

SEAL



WITNESS MY hand and seal this 23<sup>rd</sup> day of AUGUST, 2021.

  
Jeffrey Dean Jennings

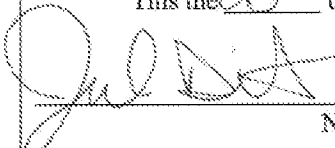
NOTARY ACKNOWLEDGMENT

STATE OF NORTH CAROLINA COUNTY OF BUNCOMBE

I, JULIE DETMERING, a Notary Public for said County and State do hereby certify that

Jeffrey Dean Jennings appeared before me personally and signed the aforementioned Assignment.

This the 23<sup>rd</sup> day of AUGUST, 2021.

  
Notary Public

My Commission Expires 01-29-23

SEAL

