

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5313087

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	FREDERICK L. ORTHLIEB	09/30/2014
RECEIVING PARTY DATA		
Name:	HEAT ASSURED SYSTEMS, LLC	
Street Address:	13 GREEN VALLEY ROAD	
City:	WALLINGFORD	
State/Country:	PENNSYLVANIA	
Postal Code:	19086	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Patent Number:	9735613
CORRESPONDENCE DATA		
Fax Number:	(703)563-0600	
<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>		
Phone:	(703)757-7880	
Email:	pto@muirpatentlaw.com	
Correspondent Name:	MUIR PATENT LAW, PLLC	
Address Line 1:	P.O. BOX 1213	
Address Line 4:	GREAT FALLS, VIRGINIA 22066	
ATTORNEY DOCKET NUMBER:	LET-102	
NAME OF SUBMITTER:	PATRICK MUIR	
SIGNATURE:	/Patrick Muir/	
DATE SIGNED:	01/08/2019	
Total Attachments: 2		
source=Orthlieb-HAS#page1.tif		
source=Orthlieb-HAS#page2.tif		

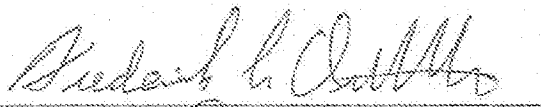
Heat Assured Systems, LLC
Member Assignment of Patent Rights and Written Consent to Managers'
Intention to Transfer Ownership of Patent and Patent Applications

On this 29th day of September, 2014, Frederick L. Orthlieb, a Member and Manager of Heat Assured Systems, LLC ("HAS"), and an inventor listed on one HAS patent and two HAS patent applications (collectively the "Patents"), hereby assigns all of his ownership rights to the Patents to HAS, pursuant to Paragraph 6.04 (d) of the HAS Operating Agreement and hereby provides his written consent to his intention as an HAS Manager to transfer the Patents to a new company ("NewCo") to be established by Alan Letzt and Lawrence Brean as set forth below.

1. ASSIGNMENT OF RIGHTS: PATENT ISSUED

Frederick L. Orthlieb ("Assignor"), who is an inventor listed on U.S. Patent Number 6,708,083, titled Low-Power Home Heating or Cooling System (March 16, 2004; "Patent No. 1"), assigns to HAS ("Assignee") his full right, title and interest in and to said Patent No. 1 and the inventions and improvements therein for the entire term of the Patent. The right, title and interest conveyed in this Assignment is to be held and enjoyed by Assignee and Assignee's successors, as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment not been made. Assignor further agrees, upon request by Assignee and Assignee's successors and at no expense to Assignor, to execute, verify, acknowledge and deliver all further papers and instruments of transfer in a timely manner.

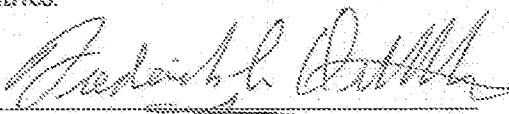
Date: 30 Sept. 2014


Assignor's Signature

2. ASSIGNMENT OF RIGHTS: PATENT APPLICATIONS

Frederick L. Orthlieb ("Assignor") is an inventor listed on (a) U.S. Patent Application Number 20120046798 titled "Systems and Methods for Power Demand Management" (August 19, 2011; "Patent Application No. 2"); and (b) International Publication Number WO2014/078838A2 titled "Systems and Methods for Controlling a Supply of Electric Energy" (November 19, 2012; "Patent Application No. 3"). Assignor assigns to HAS ("Assignee") his full right, title and interest in and to said Patent Application No. 2 and Patent Application No. 3 for the entire term of any issued Patent(s). The right, title and interest conveyed in these assignments are to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment not been made. Assignor further agrees, upon request by Assignee and Assignee's successors and at no expense to Assignor, in a timely manner: (a) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer; and (b) perform such other acts as Assignee and Assignee's successors lawfully may request to obtain or maintain any Patent(s) issued for the inventions in any and all countries.

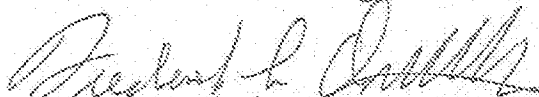
Date: 30 Sept 2014


Assignor's Signature

3. WRITTEN CONSENT OF MANAGERS' INTENTION TO TRANSFER THE PATENTS TO NEWCO

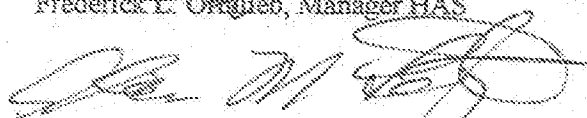
Frederick L. Orthlieb and Alan Letzt, duly appointed Managers of HAS, intend to sign an agreement to transfer the Patents from HAS to NewCo, in accordance with their right to do so set forth in Paragraph 5.01 (d) of the HAS Operating Agreement. The Managers hereby consent to execute such agreement within one week of the date that NewCo is registered.

Date: 30 Sept 2014



Frederick L. Orthlieb, Manager HAS

Date: Sept. 30, 2014

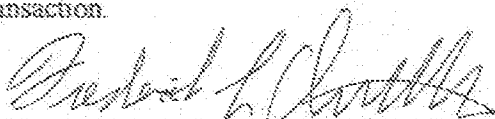


Alan M. Letzt, Manager, HAS

4. CONSIDERATION

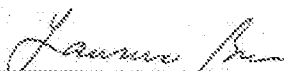
In consideration of signing each of the Four (4) sections of this agreement by 12:00 pm Eastern Time on Sept. 30th, and executing the subsequent transfer of ownership from HAS to NewCo of all rights in and to the Patents in a timely manner, NewCo shall pay to Frederick L. Orthlieb, if NewCo has an initial public offering or is acquired by another organization, (a) 1.5% of the net proceeds received by the NewCo founders, or (b) an amount equal to "Frederick L. Orthlieb's documented unreimbursed expenses for Heat Assured Systems less Orthlieb's NYSERDA project income", whichever of the two amounts is lower. Payment will be mailed within four (4) weeks of the closing of a NewCo exit transaction.

Date: 30 Sept 2014



Frederick L. Orthlieb, Manager, HAS

Date: 30 Sept 2014



Lawrence Brean, Co-Founder, NewCo