

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7950758

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST

**CONVEYING PARTY DATA**

Name	Execution Date
ROBERTSHAW CONTROLS COMPANY	05/09/2023
ROBERTSHAW US HOLDINGS CORP.	05/09/2023
BURNER SYSTEMS INTERNATIONAL, INC.	05/09/2023

**RECEIVING PARTY DATA**

<b>Name:</b>	ACQUIOM AGENCY SERVICES LLC
<b>Street Address:</b>	950 17TH STREET, SUITE 1400
<b>City:</b>	DENVER
<b>State/Country:</b>	COLORADO
<b>Postal Code:</b>	80202

**PROPERTY NUMBERS Total: 83**

Property Type	Number
Patent Number:	6985080
Patent Number:	6941962
Patent Number:	6938634
Patent Number:	6880359
Patent Number:	6910342
Patent Number:	6994310
Patent Number:	6976505
Patent Number:	7522400
Patent Number:	7441713
Patent Number:	7533682
Patent Number:	7454918
Patent Number:	7151240
Patent Number:	7506664
Patent Number:	7490628
Patent Number:	7527072
Patent Number:	7884693
Patent Number:	8126320
Patent Number:	8992211

PATENT

<b>Property Type</b>	<b>Number</b>
Patent Number:	7987843
Patent Number:	10100938
Patent Number:	8453992
Patent Number:	8776733
Patent Number:	9423153
Patent Number:	9366351
Patent Number:	D677754
Patent Number:	8117735
Patent Number:	10544874
Patent Number:	8781784
Patent Number:	D675714
Patent Number:	9212751
Patent Number:	8869835
Patent Number:	9217571
Patent Number:	9353953
Patent Number:	D761743
Patent Number:	10280947
Patent Number:	D784495
Patent Number:	11566793
Patent Number:	9726307
Patent Number:	9958164
Patent Number:	D790485
Patent Number:	D798346
Patent Number:	D806833
Patent Number:	10598293
Patent Number:	10605465
Patent Number:	10890326
Patent Number:	11112025
Patent Number:	D858712
Patent Number:	11067184
Patent Number:	10774956
Patent Number:	10374338
Patent Number:	10591157
Patent Number:	11047501
Patent Number:	11300223
Patent Number:	11359854
Patent Number:	11397026
Patent Number:	11156300

Property Type	Number
Patent Number:	11421789
Patent Number:	11255450
Patent Number:	11143325
Patent Number:	11408516
Patent Number:	D745640
Patent Number:	11592116
Application Number:	15666714
Application Number:	15945173
Application Number:	16577954
Application Number:	16932142
Application Number:	17485788
Application Number:	17509707
Application Number:	17542978
Application Number:	17576320
Application Number:	17580156
Application Number:	17678290
Application Number:	63316451
Application Number:	17686641
Application Number:	17686543
Application Number:	17715394
Application Number:	17725986
Application Number:	17726966
Application Number:	63392198
Application Number:	63408532
Application Number:	63410359
Application Number:	17908611
Application Number:	17336904

**CORRESPONDENCE DATA**

Fax Number: (949)475-4754

*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.*

Phone: 949-451-3800

Email: skann@gibsondunn.com

Correspondent Name: STEPHANIE KANN

Address Line 1: 3161 MICHELSON DRIVE

Address Line 2: GIBSON, DUNN & CRUTCHER LLP

Address Line 4: IRVINE, CALIFORNIA 92612

ATTORNEY DOCKET NUMBER: 06691-00001

<b>NAME OF SUBMITTER:</b>	STEPHANIE KANN
<b>SIGNATURE:</b>	/stephanie kann/
<b>DATE SIGNED:</b>	05/12/2023
<b>Total Attachments: 10</b> source=Robertshaw - Patent Security Agreement (Executed)#page1.tif source=Robertshaw - Patent Security Agreement (Executed)#page2.tif source=Robertshaw - Patent Security Agreement (Executed)#page3.tif source=Robertshaw - Patent Security Agreement (Executed)#page4.tif source=Robertshaw - Patent Security Agreement (Executed)#page5.tif source=Robertshaw - Patent Security Agreement (Executed)#page6.tif source=Robertshaw - Patent Security Agreement (Executed)#page7.tif source=Robertshaw - Patent Security Agreement (Executed)#page8.tif source=Robertshaw - Patent Security Agreement (Executed)#page9.tif source=Robertshaw - Patent Security Agreement (Executed)#page10.tif	

**PATENT SECURITY AGREEMENT**

This PATENT SECURITY AGREEMENT (this “**Agreement**”), dated as of May 9, 2023, is entered into by and among, Robertshaw Controls Company, a Delaware corporation, Robertshaw US Holdings Corp., a Delaware corporation, and Burner Systems International, Inc., a Delaware corporation (the “**Grantors**”) and Acquiom Agency Services LLC, a Colorado limited liability company, as Collateral Agent (the “**Assignee**”) pursuant to (i) that certain Super-Priority Pledge and Security Agreement, dated as of May 9, 2023, among the Assignee, the Grantors and the other Grantors party thereto (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “**Security Agreement**”), and (ii) that certain Super-Priority Credit Agreement, dated as of May 9, 2023 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “**Financing Agreement**”), between, among others, Robertshaw US Holding Corp, each of the other Subsidiaries party hereto as a borrower, Range Parent, Inc., a Delaware corporation, the subsidiaries of Holdings from time to time party hereto as subsidiary guarantors, the Lenders (as defined therein) and the Assignee and Seaport Loan Products LLC (“**Seaport**”), as co-administrative agents for the Lenders and the Assignee, as collateral agent for the Lenders (in such capacity, the “**Collateral Agent**”).

Capitalized terms not otherwise defined herein have the respective meanings ascribed to them in the Security Agreement or the Financing Agreement, as applicable.

WHEREAS, pursuant to the Security Agreement, the Grantors have granted in favor of the Assignee a security interest in certain Collateral, including the federally applications and registered Patents set forth on Schedule A hereto as of the date hereof.

NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Grantors and the Assignee hereby agree as follows:

1. Grant of Security Interest

(a) Subject to the terms and conditions of the Security Agreement, to evidence further the security interest granted by the Grantors to the Assignee pursuant to the Security Agreement, the Grantors hereby grant to the Assignee a security interest in all of the Grantors’ right, title and interest in, to and under the Patents, whether now owned or existing or at any time hereafter acquired or arising and wherever located, as collateral security for the prompt and complete payment and performance when due (whether at the stated maturity, by acceleration or otherwise) of the Grantors’ Secured Obligations. For the purposes of this Agreement, “**Patents**” shall have the meaning assigned thereto in the Security Agreement.

(b) Schedule A hereto contains a true and accurate list of all of the Grantors’ federally registered United States registrations and applications for registration for the Patents existing as of the date hereof.

(c) The security interest granted hereby is granted concurrently and in conjunction with the security interest granted to the Assignee under the Security Agreement. In the event that any of the provisions of this Agreement are in conflict with the Security Agreement, the provisions of the Security Agreement shall govern.

2. Modifications

This Agreement or any provision hereof may not be changed, waived, or terminated except in accordance with the amendment provisions of the Financing Agreement. In connection with the foregoing,

the Grantors authorize the Assignee, upon notice to the Grantors, to modify this Agreement without obtaining the Grantors' signature to such modification, to the extent that such modification constitutes an amendment of Schedule A hereto, to add any right, title or interest in any Patents owned or subsequently acquired by the Grantors or to delete any reference to any right, title or interest in any Patents in which the Grantors no longer have or claims any right, title or interest. The Grantors additionally agree to execute any additional agreement or amendment hereto as may be reasonably required by the Assignee from time to time, to subject any such owned or subsequently acquired right, title or interest in any Patent to the security interests and perfection created or contemplated hereby or by the Security Agreement.

3. Applicable Law

THIS AGREEMENT AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES HEREUNDER SHALL BE GOVERNED BY, AND SHALL BE CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF NEW YORK.

4. Counterparts

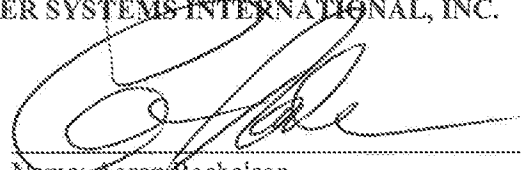
This Agreement may be executed by one or more of the parties to this Agreement on any number of separate counterparts (including by telecopy), and all of said counterparts taken together shall be deemed to constitute one and the same instrument.

IN WITNESS WHEREOF, each of the undersigned has caused this Agreement to be duly executed and delivered as of the date first above written.

GRANTORS:

ROBERTSHAW CONTROLS COMPANY  
ROBERTSHAW US HOLDINGS CORP.  
~~BURNER SYSTEMS INTERNATIONAL, INC.~~

By:



Name: Aaron Rachelson

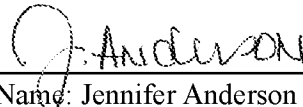
Title: Vice President and Secretary

Address of Grantors:  
1222 Hamilton Parkway  
Itasca, IL 60143

IN WITNESS WHEREOF, each of the undersigned has caused this Agreement to be duly executed and delivered as of the date first above written.

**ASSIGNEE:**

**ACQUIOM AGENCY SERVICES LLC**

By:  \_\_\_\_\_  
Name: Jennifer Anderson  
Title: Senior Director

Address of Assignee:  
950 17<sup>th</sup> Street, Suite 1400  
Denver, CO 80202



SCHEDULE A  
TO PATENT SECURITY AGREEMENT

Schedule A to PATENT SECURITY AGREEMENT

U.S. Patents

CURRENT OWNER	TITLE	COUNTRY NAME	APPLICATION NUMBER/ PATENT NUMBER	APPLICATION DATE	STATUS
Robertshaw US Holding Corp	Flame Sense Circuit And Method With Analog Output	United States of America	6985080	Mar 7, 2003	Issued
Robertshaw Controls Company	Convertible Control Device Capable of Regulating Fluid Pressure For Multiple Fluid Types and Associated Method of Use	United States of America	6941962	May 30, 2003	Issued
Robertshaw Controls Company	Fuel Control Mechanism and Associated Method of Use	United States of America	6938634	May 30, 2003	Issued
Robertshaw Controls Company	Flow-Through Rotary Damper Providing Compartment Selectivity For A Multi-Compartment Refrigerator	United States of America	6880359	Jul 15, 2003	Issued
Robertshaw Controls Company	High Temperature Limit Thermostat With Manual Lockout Safety	United States of America	6910342	Oct 14, 2003	Issued
Robertshaw US Holding Corp	Stepper Motor Driven Valve For Thermal Management And Associated Method Of Use	United States of America	6994310	Nov 3, 2003	Issued
Robertshaw US Holding Corp	A Valve Control System For Distributing And Regulating The Flow Of Coolant	United States of America	6976505	Dec 18, 2003	Issued
Robertshaw Controls Company	Method Of Detecting And Correcting Relay Tack Weld Failures	United States of America	7522400	Nov 30, 2004	Issued
Robertshaw Controls Company	Tamper Resistant Temperature Dial and Associated Method of Use	United States of America	7441713	Dec 22, 2004	Issued
Robertshaw Controls Company	System and Method of Providing Water Flow Rate Compensation	United States of America	7533682	Feb 17, 2005	Issued

CURRENT OWNER	TITLE	COUNTRY NAME	APPLICATION NUMBER/ PATENT NUMBER	APPLICATION DATE	STATUS
Robertshaw Controls Company	Refrigeration And Defrost Control System	United States of America	7454918	Mar 30, 2005	Issued
Robertshaw Controls Company	Bi-Directional Tamper Resistant Temperature Dial	United States of America	7151240	Apr 29, 2005	Issued
Robertshaw US Holding Corp	Automotive Coolant Control Valve	United States of America	7506664	Apr 27, 2006	Issued
Burner Systems International, Inc.	Manifold and Valve Assembly	United States of America	7490628	Aug 30, 2006	Issued
Robertshaw Controls Company	Gas Cook-top with Glass (Capacitive) Touch Controls and Automatic Burner Re-ignition	United States of America	7527072	Nov 30, 2006	Issued
Robertshaw Controls Company	Two Piece Bi-Metal Coil Terminal and Electrical Coil Assembly Incorporating Same	United States of America	7884693	Sep 4, 2007	Issued
Robertshaw Controls Company	Methods for Preventing a Dry Fire Condition and a Water Heater Incorporating Same	United States of America	8126320	Mar 5, 2008	Issued
Robertshaw US Holding Corp	Hot-Surface-Igniter Adaptive Control Method	United States of America	8992211	Jun 24, 2008	Issued
Burner Systems International, Inc.	Burner Improvement	United States of America	7987843	Jul 25, 2008	Issued
Robertshaw Controls Company	Variable Flow Gas Valve and Method for Controlling Same	United States of America	10100938	Dec 8, 2008	Issued
Robertshaw Controls Company	Pilot Operated Water Valve	United States of America	8453992	Dec 24, 2008	Issued
Robertshaw Controls Company	Valve Shank Mount Assembly for a Water Heater	United States of America	8776733	Feb 25, 2009	Issued
Robertshaw Controls Company	Unregulated Integrated Function Gas Valve for a Water Heater	United States of America	9423153	Apr 7, 2009	Issued
Robertshaw Controls Company	Water Tight Valve Having Sealed Flying Leads	United States of America	9366351	Jun 25, 2010	Issued

CURRENT OWNER	TITLE	COUNTRY NAME	APPLICATION NUMBER/ PATENT NUMBER	APPLICATION DATE	STATUS
Robertshaw Controls Company	Housing for a Device With Dual Solenoid Valves	United States of America	D677754	Oct 4, 2010	Issued
Robertshaw Controls Company	Two Piece Bi-Metal Coil Terminal and Electrical Coil Assembly Incorporating Same	United States of America	8117735	Dec 29, 2010	Issued
Robertshaw Controls Company	Coil Capture Apparatus and Pilot Operated Water Valve Incorporating Same	United States of America	10544874	Jan 4, 2011	Issued
Robertshaw Controls Company	System and Method for Detecting Miswiring of an Electrical Appliance	United States of America	8781784	Jan 20, 2011	Issued
Robertshaw Controls Company	Unregulated Integrated Function Gas Valve	United States of America	D675714	Aug 5, 2011	Issued
Robertshaw Controls Company	Valve System and Method	United States of America	9212751	Sep 28, 2012	Issued
Burner Systems International, Inc.	Dual Valve	United States of America	8869835	Apr 17, 2013	Issued
Burner Systems International, Inc.	Burner Head with Magnetic Burner Cap Connection	United States of America	9217571	Jun 11, 2013	Issued
Burner Systems International, Inc.	Horizontal Venturi Burner Construction	United States of America	9353953	Sep 12, 2013	Issued
Robertshaw Controls Company	Timer Blade	United States of America	D761743	Aug 19, 2014	Issued
Robertshaw Controls Company	Gas Valve Assembly with Integrated Pressure Regulator	United States of America	10280947	Oct 2, 2014	Issued
Robertshaw Controls Company	Fluid Line Connector	United States of America	D784495	Dec 18, 2014	Issued
Robertshaw Controls Company	Electro-Mechanical Energy Regulator Providing Enhanced Simmer Performance	United States of America	11566793	Jan 20, 2015	Issued
Burner Systems International, Inc.	Orifice Holder Construction	United States of America	9726307	Feb 6, 2015	Issued
Burner Systems International, Inc.	Electronic Modulating Valve	United States of America	9958164	Mar 26, 2015	Issued

CURRENT OWNER	TITLE	COUNTRY NAME	APPLICATION NUMBER/ PATENT NUMBER	APPLICATION DATE	STATUS
Robertshaw Controls Company	Timer Blade	United States of America	D790485	Feb 17, 2016	Issued
Robertshaw Controls Company	Rotary Damper	United States of America	D798346	May 27, 2016	Issued
Robertshaw Controls Company	Fluid Line Connector	United States of America	D806833	Aug 22, 2016	Issued
Robertshaw Controls Company	Temperature Actuated Electromechanical Pressure Relief Valve	United States of America	10598293	Oct 18, 2016	Issued
Robertshaw Controls Company	System and Method for using Alternative Energy Source for Hot Water Heater Storage Tank	United States of America	10605465	Oct 21, 2016	Issued
Robertshaw Controls Company	Flame Rectification Circuit Using Operational Amplifier	United States of America	10890326	Oct 31, 2016	Issued
Robertshaw Controls Company	Water Valve Guide Tube with Integrated Weld Ring and Water Valve Incorporating Same	United States of America	11112025	Mar 30, 2017	Issued
Robertshaw Controls Company	Gas Valve	United States of America	D858712	Apr 7, 2017	Issued
Robertshaw Controls Company	Triple Icemaker Valve with Multiple Configurations	United States of America	11067184	Jun 5, 2017	Issued
Burner Systems International, Inc.	Staked Tube Connection	United States of America	15/666,714	Aug 2, 2017	Pending
Burner Systems International, Inc.	Orifice Holder Construction	United States of America	10774956	Aug 8, 2017	Issued
Robertshaw Controls Company	Connector Bridge	United States of America	10374338	Dec 22, 2017	Issued
Robertshaw Controls Company	Multi-Port Valve	United States of America	15/945,173	Apr 4, 2018	Pending
Burner Systems International, Inc.	Method of Converting a Burner with Dual Use Pot to Single Flow	United States of America	10591157	Jun 25, 2018	Issued
Robertshaw Controls Company	Normally Open Gas Valve	United States of America	11047501	Jul 13, 2018	Issued

CURRENT OWNER	TITLE	COUNTRY NAME	APPLICATION NUMBER/ PATENT NUMBER	APPLICATION DATE	STATUS
Robertshaw Controls Company	Self-Cleaning Water Passageways on Diaphragm Insert	United States of America	11300223	Dec 7, 2018	Issued
Robertshaw Controls Company	Air Damper with Stepper Motor	United States of America	11359854	Jun 27, 2019	Issued
Robertshaw Controls Company	Stepper Motor Driven Modulating Gas Valve and System	United States of America	16/577,954	Sep 20, 2019	Pending
Robertshaw Controls Company	Burner for Gas-Fired Furnace	United States of America	11397026	Oct 29, 2019	Issued
Robertshaw Controls Company	Multi-Port Valve with Partial Circumferential Seal Arrangement	United States of America	11156300	Oct 30, 2019	Issued
Robertshaw Controls Company	Double Screen Filter for Valve	United States of America	11421789	Dec 5, 2019	Issued
Robertshaw Controls Company	Multi-Port Multi-Plane Valve	United States of America	11255450	Dec 18, 2019	Issued
Robertshaw Controls Company	Bimetal Valve with Integral Fuse	United States of America	11143325	Jun 19, 2020	Issued
Burner Systems International, Inc.	Intermittent Pilot Ignition Gas Valve Having Protection Against Negative Pressure for Internal Diaphragms	United States of America	16/932,142	Jul 17, 2020	Pending
Robertshaw Controls Company	Adjustable Regulator Anti-Seize Improvement	United States of America	11408516	May 25, 2021	Issued
Robertshaw Controls Company	Multi-Port Multi-Plane Valve	United States of America	17/485,788	Sep 27, 2021	Pending
Robertshaw Controls Company	Increased Push Travel Alternative for Energy Regulator	United States of America	17/509,707	Oct 25, 2021	Pending
Robertshaw Controls Company	Six Port Valve	United States of America	17/542,978	Dec 6, 2021	Pending
Robertshaw Controls Company	Integrated Manifold	United States of America	17/576,320	Jan 14, 2022	Pending
Robertshaw Controls Company	Six Port Valve	United States of America	17/580,156	Jan 20, 2022	Pending

CURRENT OWNER	TITLE	COUNTRY NAME	APPLICATION NUMBER/ PATENT NUMBER	APPLICATION DATE	STATUS
Robertshaw Controls Company	Digital Gas Grill Controller	United States of America	17/678,290	Feb 23, 2022	Pending
Robertshaw Controls Company	Gas Hearth Improvements	United States of America	63/316,451	Mar 4, 2022	Pending
Robertshaw Controls Company	Nine Port Cooling Valve	United States of America	17/686,641	Mar 4, 2022	Pending
Robertshaw Controls Company	Water Detector Clip	United States of America	17/686,543	Mar 4, 2022	Pending
Robertshaw Controls Company	Coolant Valve with Integrated Sensors	United States of America	17/715,394	Apr 7, 2022	Pending
Robertshaw Controls Company	Acetal (POM) Water Valve	United States of America	17/725,986	Apr 21, 2022	Pending
Robertshaw Controls Company	Double Flow Rate Gas Solenoid Valve	United States of America	17/726,966	Apr 22, 2022	Pending
Robertshaw Controls Company	Electronically controlled shutoff (solenoid) to reduce leakage for gas appliances in the off position to 30cc/hr, and will also act as a redundant valve.	United States of America	63/392,198	Jul 26, 2022	Pending
Robertshaw Controls Company	Gas Leak Detection in Appliances	United States of America	63/408,532	Sep 21, 2022	Pending
Robertshaw Controls Company	Anti-Seize Adjustable Regulator	United States of America	63/410,359	Sep 27, 2022	Pending
Robertshaw Controls Company	Gas Valve Assembly with Integrated Pressure Regulator	United States of America	D745640		Issued
Robertshaw Controls Private Limited	Manual Defrost Mechanism	United States of America	17/908,611	Sep 1, 2022	Pending
Robertshaw Controls Company	Five Port Valve	United States of America	11592116	Nov 11, 2021	Issued
Robertshaw Controls Company	Multi-Port Multi-Mode Valve	United States of America	17/336,904	Jun 2, 2021	Pending