

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4845909

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF 1ST LIEN SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
JPMORGAN CHASE BANK, N.A.	02/28/2018

RECEIVING PARTY DATA

Name:	ROBERTSHAW US HOLDING CORP.
Street Address:	1222 HAMILTON PARKWAY
City:	ITASCA
State/Country:	ILLINOIS
Postal Code:	60143
Name:	ROBERTSHAW CONTROLS COMPANY
Street Address:	1222 HAMILTON PARKWAY
City:	ITASCA
State/Country:	ILLINOIS
Postal Code:	60143
Name:	BURNER SYSTEMS INTERNATIONAL, INC.
Street Address:	1222 HAMILTON PARKWAY
City:	ITASCA
State/Country:	ILLINOIS
Postal Code:	60143

PROPERTY NUMBERS Total: 118

Property Type	Number
Patent Number:	6483052
Patent Number:	6622503
Patent Number:	6681805
Patent Number:	7131460
Patent Number:	6688333
Patent Number:	6976505
Patent Number:	6923211
Patent Number:	6751978
Patent Number:	6794771
Patent Number:	6985080

PATENT

Property Type	Number
Patent Number:	6918357
Patent Number:	6994310
Patent Number:	7182805
Patent Number:	7544291
Patent Number:	7245475
Patent Number:	7506664
Patent Number:	8992211
Patent Number:	6062245
Patent Number:	6182457
Patent Number:	6201200
Patent Number:	6262620
Patent Number:	7081223
Patent Number:	6286464
Patent Number:	6953184
Patent Number:	6793199
Patent Number:	6953915
Patent Number:	6694753
Patent Number:	6722575
Patent Number:	6880359
Patent Number:	6941962
Patent Number:	6910342
Patent Number:	6938634
Patent Number:	7454918
Patent Number:	7522400
Patent Number:	7533682
Patent Number:	7240693
Patent Number:	7140593
Patent Number:	7511239
Patent Number:	D528453
Patent Number:	7293582
Patent Number:	7441713
Patent Number:	7151240
Patent Number:	D526591
Patent Number:	D525896
Patent Number:	D525895
Patent Number:	D525551
Patent Number:	8039729
Patent Number:	7608803

Property Type	Number
Patent Number:	7587906
Patent Number:	7527072
Patent Number:	7806140
Patent Number:	8126320
Patent Number:	7465894
Patent Number:	7819023
Patent Number:	8022657
Patent Number:	7884693
Patent Number:	8117735
Patent Number:	8132586
Patent Number:	8453992
Patent Number:	7944678
Patent Number:	9645585
Patent Number:	D677754
Patent Number:	8388339
Patent Number:	8776733
Patent Number:	9366351
Patent Number:	9423153
Patent Number:	D675714
Patent Number:	8781784
Patent Number:	8661843
Patent Number:	9212751
Patent Number:	7259479
Patent Number:	6287154
Patent Number:	6133816
Patent Number:	6095797
Patent Number:	D761743
Patent Number:	D784495
Patent Number:	D790485
Patent Number:	6068471
Patent Number:	6030003
Patent Number:	6219917
Patent Number:	6170888
Patent Number:	6575502
Patent Number:	6877779
Patent Number:	6325619
Patent Number:	6679699
Patent Number:	6764303

Property Type	Number
Patent Number:	5762490
Patent Number:	5915954
Patent Number:	6000934
Patent Number:	6428313
Patent Number:	5911572
Patent Number:	5924860
Patent Number:	5957679
Patent Number:	6015322
Patent Number:	6082397
Patent Number:	7527495
Patent Number:	7264222
Patent Number:	7628379
Patent Number:	7490628
Patent Number:	7987843
Patent Number:	8832922
Patent Number:	9162330
Patent Number:	9217571
Patent Number:	8869835
Patent Number:	9353953
Patent Number:	D745640
Application Number:	08877365
Application Number:	12329749
Application Number:	12984330
Application Number:	12687159
Application Number:	14601047
Application Number:	14504919
Application Number:	14729880
Application Number:	15015224
Application Number:	14615610
Application Number:	14669844
Application Number:	62218202
Application Number:	15296913

CORRESPONDENCE DATA

Fax Number: (800)914-4240

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: 800-713-0755

Email: Michael.Violet@wolterskluwer.com

Correspondent Name: CT CORPORATION
Address Line 1: 4400 EASTON COMMONS WAY
Address Line 2: SUITE 125
Address Line 4: COLUMBUS, OHIO 43219

NAME OF SUBMITTER: ELAINE CARRERA

SIGNATURE: /Elaine Carrera/

DATE SIGNED: 03/01/2018

Total Attachments: 12

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RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)
JPMorgan Chase Bank, N.A.

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: Robertshaw US Holding Corp.
Internal Address: _____

Street Address: 1222 Hamilton Parkway

City: Itasca
State: Illinois
Country: USA Zip: 60143
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s) February 28, 2018

Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other Release of 1st Lien Security Interest

4. Application or patent number(s): This document is being filed together with a new application.

A. Patent Application No.(s)
See Schedule I

B. Patent No.(s)
See Schedule I

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Elaine Carrera, Legal Assistant
Internal Address: _____

Street Address: c/o Cahill Gordon & Reindel LLP
80 Pine Street
City: New York
State: NY Zip: 10005
Phone Number: (212) 701-3365
Docket Number: _____
Email Address: ecarrera@cahill.com

6. Total number of applications and patents involved: 119

7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____

Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

Deposit Account Number _____
Authorized User Name _____

9. Signature: Elaine Carrera February 28, 2018
Signature Date

Elaine Carrera
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 12

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Addendum to Cover Page of Patents Form Cover Sheet

2. Name and address of receiving party(ies)

Robertshaw Controls Company
1222 Hamilton Parkway
Itasca, Illinois 60143

Burner Systems International, Inc.
1222 Hamilton Parkway
Itasca, Illinois 60143

FIRST LIEN RELEASE OF SECURITY INTEREST IN PATENTS

This FIRST LIEN RELEASE OF SECURITY INTEREST IN PATENTS (this “Release”), dated as of February 28, 2018 (the “Effective Date”), is made by JPMorgan Chase Bank, N.A., in its capacity as administrative agent and collateral agent (the “Agent”), in favor of the grantor parties identified on the signature page hereto (the “Grantors”).

WHEREAS, pursuant to that certain First Lien Pledge and Security Agreement, dated as of August 10, 2017, by and among the Agent, the Grantors and certain other parties thereto (as amended, amended and restated, or otherwise modified from time to time, the “Security Agreement”), the Grantors granted to the Agent, in its capacity as administrative agent and collateral agent, a security interest in and to certain collateral;

WHEREAS, pursuant to the Security Agreement, the Grantors executed and delivered a First Lien Patent Security Agreement, dated as of August 10, 2017 (the “Patent Security Agreement”), for recordal with the United States Patent and Trademark Office;

WHEREAS, the Patent Security Agreement was recorded with the United States Patent and Trademark Office on August 11, 2017 at Reel/Frame 043527/0974;

WHEREAS, each Grantor granted the Agent, under the terms of the Patent Security Agreement, a security interest in favor of the Agent, in and to all of its right, title and interest in, to and under all of each such Grantor’s Patent Collateral, including without limitation the Patents listed in Schedule I;

WHEREAS, the Agent has agreed to terminate and release its security interest in all such Patent Collateral as herein provided.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Agent hereby agrees as follows:

1. Defined Terms. All capitalized terms used, but not otherwise defined herein, shall have the respective meanings ascribed in or otherwise referenced in the Security Agreement or the Patent Security Agreement, as applicable.

2. Release. The Agent, without representation or warranty of any kind, hereby releases, discharges, terminates and cancels all of its security interest in and to the Patent Collateral, including the patents and patent applications set forth on Schedule I attached hereto, arising under the Security Agreement and the Patent Security Agreement. If and to the extent that the Agent has acquired any right, title or interest in and to the Patent Collateral under the Patent Security Agreement, the Agent, without representation or warranty of any kind, hereby re-transfers, re-conveys and re-assigns such right, title or interest to the Grantors.

3. Termination. The Agent, without representation or warranty of any kind, terminates and cancels the Patent Security Agreement.

4. Further Assurances. The Agent agrees to take all further actions, and provide to the Grantors and their successors, assigns or other legal representatives, all such cooperation and assistance (including, without limitation, the execution and delivery of any and all documents or other instruments), reasonably requested by the Grantors, at the Grantors’ sole cost and expense, to more fully and effectively effectuate the purposes of this Release.

5. Governing Law. This Release shall be governed exclusively under the laws of the State of New York, without regard to conflicts of law or choice of law principles.

[signature pages follow]

IN WITNESS WHEREOF, the Agent has caused this Release to be executed by its duly authorized representative as of the Effective Date:

**JPMorgan Chase Bank, N.A., acting in its
capacity as administrative agent and collateral
agent for the Lenders**

By: 
Name: Gene Riego de Dios
Title: Executive Director

[First Lien Release of Security Interest in Patents]

**PATENT
REEL: 045475 FRAME: 0165**

GRANTORS:

ROBERTSHAW US HOLDING CORP.

By: 

Name: Aaron Rachelson

Title: Vice President

ROBERTSHAW CONTROLS COMPANY

By: 

Name: Aaron Rachelson

Title: Vice President

BURNER SYSTEMS INTERNATIONAL, INC.

By: 

Name: Aaron Rachelson

Title: Vice President

[First Lien Release of Security Interest in Patents]

PATENT
REEL: 045475 FRAME: 0166

SCHEDULE I
to
FIRST LIEN RELEASE OF SECURITY INTEREST IN PATENTS
PATENT REGISTRATIONS AND PATENT APPLICATIONS

Patent Registrations:

Robertshaw US Holding Corp.	Electromechanical Appliance Programmer/Timer	09/813,229 6483052
Robertshaw US Holding Corp.	Evaporator Fan Control System For A Multi-Compartment Refrigerator	10/087,453 6622503
Robertshaw US Holding Corp.	Automotive Coolant Control Valve	09/997,118 6681805
Robertshaw US Holding Corp.	Automotive Coolant Control Valve	10/605,473 7131460
Robertshaw US Holding Corp.	Automotive Coolant Control Valve	10/248,767 6688333
Robertshaw US Holding Corp.	A Valve Control System For Distributing And Regulating The Flow Of Coolant	10/707,502 6976505
Robertshaw US Holding Corp.	A Method For Distributing And Regulating The Flow Of Coolant	10/707,503 6923211
Robertshaw US Holding Corp.	Transition Fitting	10/079,514 6751978
Robertshaw US Holding Corp.	Fault-Tolerant Multi-Point Flame Sense Circuit	10/175,965 6794771
Robertshaw US Holding Corp.	Flame Sense Circuit And Method With Analog Output	10/384,303 6985080
Robertshaw US Holding Corp.	Stepper Motor Driven Fluid Valve And Associated Method Of Use	10/604,873 6918357
Robertshaw US Holding Corp.	Stepper Motor Driven Valve For Thermal Management And Associated Method Of Use	10/605,875 6994310
Robertshaw US Holding Corp.	Corona-discharge Air Mover And Purifier For Packaged Terminal And Room Air Conditioners	11/288,915 7182805
Robertshaw US Holding Corp.	Water Purification System Utilizing A Plurality Of Ultraviolet Light Emitting Diodes And Associated Method Of Use	10/905,200 7544291
Robertshaw US Holding Corp.	Wide Input Voltage Range Relay Drive Circuit for Universal Defrost Timer	11/403,426 7245475
Robertshaw US Holding Corp.	Automotive Coolant Control Valve	11/412,470 7506664
Robertshaw US Holding Corp.	Hot-Surface-Igniter Adaptive Control Algorithm	12/144,789 8992211
Robertshaw US Holding Corp.	Gaseous Fuel Burner Manifold with Integral Pressure Regulator Assembly	08/975,960 6062245
Robertshaw US Holding Corp.	Electronic Variable Orifice Tube and System For Use Therewith	09/324,461 6182457
Robertshaw US Holding Corp.	Self Locking Knob Attachment Shaft for Program Timers	09/271,576 6201200
Robertshaw US Holding Corp.	Drive Circuitry for Latching Type Valve and the Like	09/431,820 6262620

Robertshaw Controls Company	Method for Manufacturing a Rotatable Plug Element and Valve a/k/a STOPCOCK	10/717,857 7081223
Robertshaw Controls Company	Water Heating System	09/591,209 6286464
Robertshaw Controls Company	Rotary Damper Assembly	10/107,411 6953184
Robertshaw Controls Company	Encased Gas Valve Control Housing Having A Plastic Body And An Over-Molded Seal	09/929,378 6793199
Robertshaw Controls Company	Switching System for Plural Simmer Voltages	10/058,350 6953915
Robertshaw Controls Company	Defrost Delay Module	10/196,536 6694753
Robertshaw Controls Company	Temperature Sensing Adapter And Automatic Temperature Regulating Mixing Valve Constructed Therewith	10/299,149 6722575
Robertshaw Controls Company	Flow-Through Rotary Damper Providing Compartment Selectivity For A Multi-Compartment Refrigerator	10/620,104 6880359
Robertshaw Controls Company	Convertible Control Device Capable of Regulating Fluid Pressure For Multiple Fluid Types and Associated Method of Use	10/449,613 6941962
Robertshaw Controls Company	High Temperature Limit Thermostat With Manual Lockout Safety	10/684,947 6910342
Robertshaw Controls Company	Fuel Control Mechanism and Associated Method of Use	10/449,614 6938634
Robertshaw Controls Company	Refrigeration And Defrost Control System	11/093,912 7454918
Robertshaw Controls Company	Method Of Detecting And Correcting Relay Tack Weld Failures	11/001,573 7522400
Robertshaw Controls Company	System and Method of Providing Water Flow Rate Compensation	11/059,901 7533682
Robertshaw Controls Company	Pressure Regulated Solenoid Valve Having Integral Mounting Structure	11/094,349 7240693
Robertshaw Controls Company	Bi-Directional Air Flow Damper Having Uni-Directional Synchronous Motor	11/096,244 7140593
Robertshaw Controls Company	Simultaneous Control Of Multiple Liquid Level Settings In A Diaphragm Valve, Using A Single Rotatable Control Shaft	11/096,279 7511239
Robertshaw Controls Company	Appliance Gauge Face	29/217,954 D528453
Robertshaw Controls Company	Method And Apparatus For Precluding Backflow In A Mixing Valve Subjected To Unbalanced Inlet Pressure	11/095,922 7293582
Robertshaw Controls Company	Tamper Resistant Temperature Dial and Associated Method of Use	10/905,248 7441713
Robertshaw Controls Company	Bi-Directional Tamper Resistant Temperature Dial	10/908,174 7151240

Robertshaw Controls Company	Appliance Gauge Face	29/217,955 D526591
Robertshaw Controls Company	Appliance Gauge Face	29/217,957 D525896
Robertshaw Controls Company	Appliance Gauge Face	29/217,956 D525895
Robertshaw Controls Company	Appliance Gauge Face	29/217,924 D525551
Robertshaw Controls Company	Quick Connect Thermocouple Mounting Device and Associated Method of Use	10/907,367 8039729
Robertshaw Controls Company	Setting Oven/Grill Temperature And/Or Meat Probe Using Stepper Motor Analog Display	11/559,536 7608803
Robertshaw Controls Company	Adaptive Defrost Control Circuit with Relay Power Saving Feature	11/371,482 7587906
	Relay Power Savings On Adaptive Defrost Control (ADC)	
Robertshaw Controls Company	Gas Cook-top with Glass (Capacitive) Touch Controls and Automatic Burner Re-ignition	11/564,935 7527072
Robertshaw Controls Company	Power Saving Locking Coil	11/736,199 7806140
Robertshaw Controls Company	Methods for Preventing a Dry Fire Condition and a Water Heater Incorporating Same	12/042,624 8126320
Robertshaw Controls Company	One Time High Fill Pressure Switch	11/779,693 7465894
Robertshaw Controls Company	Valve with Inherent Enhanced Turbulent Flow Metering Device and Flow Regulation	11/844,208 7819023
Robertshaw Controls Company	Washing Machine Wiring to Reduce Mechanical Timer Contact Welding	12/348,647 8022657
Robertshaw Controls Company	Two Piece Bi-Metal Coil Terminal and Electrical Coil Assembly Incorporating Same	11/849,653 7884693
Robertshaw Controls Company	Two Piece Bi-Metal Coil Terminal and Electrical Coil Assembly Incorporating Same	12/980,467 8117735
Robertshaw Controls Company	Multiple Flow Rate Detection System and Method for Consumer Appliance	12/182,517 8132586
Robertshaw Controls Company	Pilot Operated Water Valve	12/343,672 8453992
Robertshaw Controls Company	Low Voltage Power Supply for Spark Igniter and Flame Sense	12/208,856 7944678
Robertshaw Controls Company	Variable Flow Digital Gas Valve	12/354,541 9645585
Robertshaw Controls Company	Housing for a Device With Dual Solenoid Valves	29/376,248 D677754
Robertshaw Controls Company	Single Micro-Pin Flame Sense Circuit and Method	12/338,095 8388339
Robertshaw Controls Company	Valve Shank Mount Assembly for a Water Heater	12/392,866 8776733

Robertshaw Controls Company	Water Tight Valve Having Sealed Flying Leads	12/823,289 9366351
Robertshaw Controls Company	Unregulated Integrated Function Gas Valve for a Water Heater	12/419,348 9423153
Robertshaw Controls Company	Unregulated Integrated Function Gas Valve	29/398,901 D675714
Robertshaw Controls Company	System and Method for Detecting Miswiring of an Electrical Appliance	13/010,332 8781784
Robertshaw Controls Company	Ice Pusher	12/973,545 8661843
Robertshaw Controls Company	Motorized 4-Port Mixing/Bypass Valve	13/631,105 9212751
Robertshaw Controls Company	Transformerless Power Supply, Dual Positive or Dual Negative Supplies	09/913,859 7259479
Robertshaw Controls Company	Contact Terminal Arrangement For Electrical Built-In Switching Unit	09/355,093 6287154
Robertshaw Controls Company	Switch and Relay using Shape Memory Alloy	09/094,579 6133816
Robertshaw Controls Company	Quick Change Pilot Assembly and Method of Assembly	09/111,533 6095797
Robertshaw Controls Company	Timer Blade	29/499,780 D761743
Robertshaw Controls Company	Fluid Line Connector	29/512,393 D784495
Robertshaw Controls Company	Timer Blade	29/554,924 D790485
Burner Systems International, Inc.	Burner box without manifold return	08/877365 58511110
Burner Systems International, Inc.	Burner box without manifold return	09/172814 6068471
Burner Systems International, Inc.	Gas supply device	09/020017 6030003
Burner Systems International, Inc.	A method of assembling a gas supply device	09/383448 6219917
Burner Systems International, Inc.	Conduit connector and method	09/202228 6170888
Burner Systems International, Inc.	Conduit connector and method	09/713398 6575502
Burner Systems International, Inc.	Conduit connector and method	09/732440 6877779
Burner Systems International Limited	Gas burner with multiple gas rings	09/769337 6325619
Burner Systems International, Inc.	Gas burner for a cooker	10/245939 6679699
Burner Systems International, Inc.	Gas burner for a cooker	10/372161 6764303
Burner Systems International, Inc.	Gas burner for a cooker	0204007

Burner Systems International, Inc.	Premixed gas burner orifice	08/878722 5762490
Burner Systems International, Inc.	Low-emission gas burner	09/123694 5915954
Burner Systems International, Inc.	Burner	09/237470 6000934
Burner Systems International, Inc.	Side shot burner	09/957048 6428313
Burner Systems International, Inc.	Spark ignition electrode assembly for has stove top burner	09/118595 5911572
Burner Systems International, Inc.	Thickwall glass burner assembly	08/919914 5924860
Burner Systems International, Inc.	Gas fireplace burner control system	08/898186 5957679
Burner Systems International, Inc.	Method of making spark ignition electrode assembly	09/185250 6015322
Burner Systems International, Inc.	Gas manifold connector and gas distribution manifold assembly for gas stove	09/156975 6082397
Burner Systems International, Inc. and Electrolux Home Products, Inc.	Cooperating Bridge Burner System	10/967537 7527495
Burner Systems International, Inc.	Modular valve assembly	10/823079 7264222
Burner Systems International, Inc.	Modular valve assembly	11/764286 7628379
Burner Systems International, Inc.	Manifold and valve assembly	11/512901 7490628
Burner Systems International, Inc.	Burner improvement	12/179832 7987843
Burner Systems International, Inc.	Connection and Elbow In A Gas Appliance	13/613851 8832922
Burner Systems International, Inc.	Connection and Elbow In A Gas Appliance	14/325772 9162330
Burner Systems International, Inc.	Burner Head With Magnetic Burner Cap Connection	13/914,721 9217571
Burner Systems International, Inc.	Dual Valve	13/864731 8869835
Burner Systems International, Inc.	Horizontal Venturi Burner Construction	14/025,205 9353953
Robertshaw Controls Company	Gas Valve Assembly with Integrated Pressure Regulator	29/504,197 D745640

Patent Applications:

Robertshaw Controls Company	Variable Flow Gas Valve and Method for Controlling Same	12/329,749
Robertshaw Controls Company	Coil Capture Apparatus and Pilot Operated Water Valve Incorporating Same	12/984,330
Robertshaw Controls Company	System and Method to Reduce Standby Energy Loss in a Gas Burning Appliance and Components for Use Therewith	12/687,159
Robertshaw Controls Company	Electro-Mechanical Energy Regulator Providing Enhanced Simmer Performance	14/601,047
Robertshaw Controls Company	Gas Valve Assembly with Integrated Pressure Regulator	14/504,919
Robertshaw Controls Company	RF-Signal-Emitting Valve for Flow Monitoring and Leak Detection	14/729,880
Robertshaw Controls Company	Rotary Damper	15/015,224
Burner Systems International, Inc.	Improved Orifice Holder Construction	14/615,610
Burner Systems International, Inc.	Electronic Modulating Valve	14/669,844
Burner Systems International, Inc.	Dual Use Pot for Single or Dual Flow Burners	62/218,202
Robertshaw Controls Company	ELECTROMECHANICAL PRESSURE RELIEF VALVE	15/296,913