

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7159655

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT	
EFFECTIVE DATE:	06/17/2021	
CONVEYING PARTY DATA		
	Name	Execution Date
	JOHNSON CONTROLS, INC.	08/06/2021
RECEIVING PARTY DATA		
Name:	JOHNSON CONTROLS TYCO IP HOLDINGS LLP	
Street Address:	5757 N. GREEN BAY AVENUE	
City:	MILWAUKEE	
State/Country:	WISCONSIN	
Postal Code:	53209	
PROPERTY NUMBERS Total: 5		
Property Type	Number	
Application Number:	11546964	
Application Number:	14994763	
Application Number:	16993812	
Application Number:	17180315	
Application Number:	17180354	
CORRESPONDENCE DATA		
Fax Number:	(703)739-2815	
<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>		
Email:	recordals@cpaglobal.com	
Correspondent Name:	CPA GLOBAL LIMITED	
Address Line 1:	LIBERATION HOUSE	
Address Line 2:	CASTLE ST	
Address Line 4:	ST HELIER, JERSEY JE1 1BL	
NAME OF SUBMITTER:	HELEN BIRRELL	
SIGNATURE:	/IPR/TB/Foley&LardnerJCI2021-102/AG5PT/	
DATE SIGNED:	02/04/2022	
Total Attachments: 46		
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INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

This INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT (“**IP Assignment**”) is executed on August 6, 2021 and effective as of June 17, 2021 at 5:04 P.M. Central Time (the “**Effective Date**”), by and among Johnson Controls, Inc., a Wisconsin corporation, located at 5757 N. Green Bay Ave., Milwaukee, Wisconsin 53209 (“**JCI**”) and Johnson Controls Tyco IP Holdings LLP, a Wisconsin Limited Liability Partnership, located at 5757 N. Green Bay Avenue, Milwaukee, Wisconsin 53209 (“**JCTIPH**”).

WHEREAS, JCTIPH is the acquirer of certain assets of JCI (the “**Transferred Assets**”) pursuant to the Amended and Restated Contribution Agreement between JCI as a contributing party and JCTIPH as the receiving party, effective as of June 17, 2021 at 5:03 P.M. Central Time (the “**JCTIPH Contribution Agreement**”);

WHEREAS, under the terms of the JCTIPH Contribution Agreement, JCI has conveyed, transferred, and assigned certain intellectual property among the Transferred Assets for acquisition by JCTIPH, and all parties have agreed to execute and deliver this IP Assignment, for recording with the United States Patent and Trademark Office, the United States Copyright Office, and corresponding entities or agencies in any applicable jurisdictions;

NOW THEREFORE, the parties agree as follows:

1. Assignment from JCI to JCTIPH.

(a) For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, JCI hereby irrevocably conveys, transfers, and assigns to JCTIPH, and JCTIPH hereby accepts, all of JCI’s right, title, and interest in and to the interest in and to the following (the “**Assigned IP**”):

(i) all patents and patent applications (including design patents, design registrations, and other industrial design rights) set forth on Schedule 1 hereto, including any and all divisions, continuations, continuation-in-part, extensions, substitutions, renewals, registrations, revalidations, reissues, reexaminations, and the like, or foreign counterparts of or to any of the aforesaid patents and patent applications, including without limitation, all issued patents that have been or may be granted thereon and any other patents and patent applications claiming priority to or the benefit of the foregoing (the “**Patents**”);

(ii) all copyright registrations and copyright applications set forth on Schedule 2 hereto and all issuances, extensions, and renewals thereof (the “**Copyrights**”);

(iii) all royalties, fees, income, payments and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

(iv) all rights to any actions or claims of any nature related to the foregoing, whether accruing before, on or after the date hereof, including all rights to and claims for damages, restitution and injunctive relief for infringement, dilution, misappropriation, violation, misuse, breach or default, with the right but

no obligation to sue for such legal and equitable relief, and to collect, or otherwise recover, any such damages.

(b) Terms of the JCTIPH Contribution Agreement. JCI and JCTIPH acknowledge and agree that this IP Assignment is entered into pursuant to the JCTIPH Contribution Agreement, to which reference is made for a further statement of the rights and obligations of JCI and JCTIPH with respect to the Assigned IP. The representations, warranties, covenants, agreements, and indemnities contained in the JCTIPH Contribution Agreement shall not be superseded hereby but shall remain in full force and effect to the full extent provided therein. In the event of any conflict or inconsistency between the terms of the JCTIPH Contribution Agreement and the terms hereof, the terms of the JCTIPH Contribution Agreement shall govern.

2. Recordation and Further Actions. The parties to this IP Assignment hereby authorize the Commissioner for Patents and the Register of Copyrights in the United States Copyright Office, and the officials of corresponding entities or agencies in any applicable jurisdictions to record and register this IP Assignment upon request by JCTIPH. Following the date hereof, upon JCTIPH's reasonable request, the other parties to this IP Assignment shall take such steps and actions, and provide such cooperation and assistance to JCTIPH and its successors, assigns, and legal representatives, including the execution and delivery of any affidavits, declarations, oaths, exhibits, assignments, powers of attorney, or other documents, as may be necessary to effect, evidence, or perfect the assignment of the Assigned IP to JCTIPH, or any successor thereto.

3. Counterparts. This IP Assignment may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed one and the same agreement. A signed copy of this IP Assignment delivered by facsimile, e-mail, or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this IP Assignment.

4. Successors and Assigns. This IP Assignment shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and assigns.

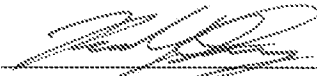
5. Governing Law. This IP Assignment shall be construed and interpreted according to the laws of the State of Delaware, excluding any choice of law rules that may direct the application of the laws of another jurisdiction. Each party stipulates that any dispute shall be commenced and prosecuted in its entirety in, and consents to the exclusive jurisdiction and proper venue of, either the Milwaukee County Circuit Court for the State of Wisconsin or the United States District Court for the Eastern District of Wisconsin, and each party consents to personal and subject matter jurisdiction and venue in such courts and waive and relinquish all right to attack the suitability or convenience of such venue or forum by reason of their present or future domiciles, or by any other reason.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the parties hereto have caused this IP Assignment to be executed on their behalf by their respective duly authorized representatives on the date first written above and effective as of the Effective Date.

Johnson Controls, Inc.

Johnson Controls Tyco IP Holdings LLP

By 

By _____

Name: Richard Dancy

Name: Marc Vandiepenbeeck

Title: Vice President

Title: President

IN WITNESS WHEREOF, the parties hereto have caused this IP Assignment to be executed on their behalf by their respective duly authorized representatives on the date first written above and effective as of the Effective Date.

Johnson Controls, Inc.

Johnson Controls Tyco IP Holdings LLP

By _____

By _____

Name: Richard Dancy

Name: Marc Vandiepenbeeck

Title: Vice President

Title: President

SCHEDULE 1
ASSIGNED PATENTS

Patents

[See Exhibit B]

Schedule B-1 Johnson Controls, Inc.

CTRY	STATUS	ARTN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
US	Issued	12/999818	8735955	Grounding System And Apparatus	Johnson Controls Inc.	WC100;
MX	Issued	PA/4/2004/006284	248034	(LUX) Thermostat Having Multiple Mounting Configurations	Johnson Controls Inc.	WC100;
CA	Issued	20170175967F	175967	(LUX) Display Screen With Font	Johnson Controls Inc.	WC100;
CA	Issued	20170178021F	178021	(LUX) Interchangeable Thermostat Cover	Johnson Controls Inc.	WC100;
US	Issued	29/603189	D832121	(LUX) Interchangeable Thermostat Cover	Johnson Controls Inc.	WC100;
US	Issued	29/668232	D860012	Interchangeable thermostat cover	Johnson Controls Inc.	WC100;
CA	Issued	179020	179020	(LUX) Thermostat	Johnson Controls Inc.	WC100;
US	Issued	29/609893	D842712	(LUX) Thermostat	Johnson Controls Inc.	WC100;
US	Issued	29/677057	D875569	(LUX) Thermostat	Johnson Controls Inc.	WC100;
CA	Issued	163390	163390	THERMOSTAT	Johnson Controls Inc.	WC100;
US	Issued	29/516864	D734180	Thermostat	Johnson Controls Inc.	WC100;
US	Issued	29/598345	D812133	(LUX) Numeric Type Font	Johnson Controls Inc.	WC100;
CA	Published	2928388		(LUX) Wireless Controlled Thermostat With Reduced Polling Communications	Johnson Controls Inc.	WC100;
US	Issued	14/994763	9955296	During Predicted Periods Of Low Activity To Save Power	Johnson Controls Inc.	WC100;
CA	Issued	150769	150769	(LUX) Wireless Controlled Thermostat With Reduced Polling Communications	Johnson Controls Inc.	WC100;
US	Issued	29/435252	D689895	(LUX) Animated Thermostat Panel For A Display Screen Or A Portion Thereof	Johnson Controls Inc.	WC100;
MX	Issued	MX/a/2007/013614	274234	(LUX) Animated Thermostat Panel For A Display Screen Or A Portion Thereof	Johnson Controls Inc.	WC100;
CA	Issued	128536	128536	(LUX) Programmable Thermostat Incorporating Air Quality Protection	Johnson Controls Inc.	WC100;
MX	Issued	MX/i/2008/003001	MX28848	(LUX) Grab Bar	Johnson Controls Inc.	WC100;
US	Issued	29/320279	D586199	(LUX) Grab Bar	Johnson Controls Inc.	WC100;
IT	Pending	102019000022407		Six-Way Valve, And Heating And Cooling System Comprising Such A Valve	Johnson Controls Inc.	WC100;
US	Issued	11/546964	7470176	Converting Existing Prior Art Furne Hoods Into High Performance Low Airflow	Johnson Controls Inc.	WC100;
CA	Issued	2632195	2632195	Stable Vortex Furne Hoods	Johnson Controls Inc.	WC100;
US	Pending	29/677086		Converting Existing Prior Art Furne Hoods Into High Performance Low Airflow	Johnson Controls Inc.	WC100;
US	Pending	29/770658		Damper	Johnson Controls Inc.	WC100;
US	Published	16/993812		Air Duct Airflow Sensor	Johnson Controls Inc.	WC100;
US	Pending	17/180315		Air Duct Assembly With Field Accessible Ports	Johnson Controls Inc.	WC100;
US	Pending	17/180354		Systems And Methods For Control Of An Air Duct	Johnson Controls Inc.	WC100;
WO	Published	EP2018/060175		Smoke Detector Availability Test	Johnson Controls Inc.	WC100;
AU	Published	2018255373		Smoke Detector Availability Test	Johnson Controls Inc.	WC100;
EP	Published	18718825.5		Smoke Detector Availability Test	Johnson Controls Inc.	WC100;
US	Pending	16/606306		Smoke Detector Availability Test	Johnson Controls Inc.	WC100;
US	Issued	10/715422	7104333	Dry Pipe Valve For Fire Protection Sprinkler System	Johnson Controls Inc.	WC100;
US	Issued	11/313749	7322423	Dry Pipe Valve For Fire Protection Sprinkler System	Johnson Controls Inc.	WC100;
EP	Issued	01935232.7	EP1305085	Dry Pipe Valve For Fire Protection Sprinkler System	Johnson Controls Inc.	WC100;
DE	Issued	01935232.7	60139204.3	Dry Pipe Valve For Fire Protection Sprinkler System	Johnson Controls Inc.	WC100;
ES	Issued	01935232.7	1305085	Dry Pipe Valve For Fire Protection Sprinkler System	Johnson Controls Inc.	WC100;
FR	Issued	01935232.7	1305085	Dry Pipe Valve For Fire Protection Sprinkler System	Johnson Controls Inc.	WC100;
IT	Issued	01935232.7	1305085	Dry Pipe Valve For Fire Protection Sprinkler System	Johnson Controls Inc.	WC100;
NL	Issued	01935232.7	1305085	Dry Pipe Valve For Fire Protection Sprinkler System	Johnson Controls Inc.	WC100;
SE	Issued	EP 01935232.7	EP1305085 B1	Dry Pipe Valve For Fire Protection Sprinkler System	Johnson Controls Inc.	WC100;
EP	Issued	01959768.1	EP1294449	Upright Fire Protection Nozzle	Johnson Controls Inc.	WC100;
DE	Issued	01959768.1	EP1294449	Upright Fire Protection Nozzle	Johnson Controls Inc.	WC100;
US	Issued	11/796008	7474227	Multiwavelength smoke detector using white light LED	Johnson Controls Inc.	WC100;

Schedule B-1 Johnson Controls, Inc.

CTRY	STATUS	ARTN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
US	Issued	10/835930	7233253	Multiwavelength Smoke Detector Using White Light Led	Johnson Controls Inc.	WC100
US	Issued	11/500851	7532117	Fire alarm with distinct alarm reset threshold	Johnson Controls Inc.	WC100
US	Issued	10/705146	7091855	Fire Alarm With Distinct Alarm Reset Threshold	Johnson Controls Inc.	WC100
US	Issued	10/914666	7145466	National security warning system integrated with building fire alarm notification system	Johnson Controls Inc.	WC100
US	Issued	11/580654	7714733	Emergency warning system integrated with building hazard alarm notification system	Johnson Controls Inc.	WC100
US	Issued	10/720810	7295127	National security warning system integrated with building fire alarm notification system	Johnson Controls Inc.	WC100
US	Issued	10/645396	7006003	Multi-candela emergency strobe light	Johnson Controls Inc.	WC100
US	Published	14/3664080		Combustion Product Detection	Johnson Controls Inc.	WC100
US	Published	13/207140		System And Method For Emergency Message Preview And Transmission	Johnson Controls Inc.	WC100
US	Issued	13/877312	9391714	Safety System	Johnson Controls Inc.	WC100
US	Issued	15/810428	10147313	Detector System	Johnson Controls Inc.	WC100
AU	Published	201635360		Smoke Detector Tester	Johnson Controls Inc.	WC100
GB	Published	1517651.4		Smoke Detector Tester	Johnson Controls Inc.	WC100
DE	Issued	16781178.5	60 2016 037 575.3	Smoke Detector Tester	Johnson Controls Inc.	WC100
FR	Issued	16781178.5	EP3359303	Smoke Detector Tester	Johnson Controls Inc.	WC100
GB	Issued	16781178.5	EP3359303	Smoke Detector Tester	Johnson Controls Inc.	WC100
AE	Issued	D600031.4/2017	4916	Base Sounder	Johnson Controls Inc.	WC100
AE	Issued	D600031.5/2017	4917	Design of a Detector Base with Sounder/Visual Indicator/Visual Alarm	Johnson Controls Inc.	WC100
AE	Issued	D600031.6/2017	4912	Design of a Detector Base with Sounder/Visual Indicator/Visual Alarm	Johnson Controls Inc.	WC100
AU	Pending	201713029		Unknown Title	Johnson Controls Inc.	WC100
AU	Pending	201713028		Unknown Title	Johnson Controls Inc.	WC100
AU	Pending	201713026		Unknown Title	Johnson Controls Inc.	WC100
NZ	Issued	423064	423064	Unknown Title	Johnson Controls Inc.	WC100
NZ	Issued	423063	423063	Unknown Title	Johnson Controls Inc.	WC100
NZ	Issued	423062	423062	Unknown Title	Johnson Controls Inc.	WC100
SA	Pending	417380677		Unknown Title	Johnson Controls Inc.	WC100
SA	Pending	417380679		Unknown Title	Johnson Controls Inc.	WC100
SA	Pending	417380680		Unknown Title	Johnson Controls Inc.	WC100
US	Issued	29/626311	D827472	Visual Indicator For Alarm Unit	Johnson Controls Inc.	WC100
US	Issued	29/626314	D830213	Visual Alarm For Alarm Unit	Johnson Controls Inc.	WC100
EM	Issued	003493139-0001	003493139-0001	Unknown Title	Johnson Controls Inc.	WC100
EM	Issued	003493139-0002	003493139-0002	Unknown Title	Johnson Controls Inc.	WC100
EM	Issued	003493139-0003	003493139-0003	Unknown Title	Johnson Controls Inc.	WC100
WO	Published	PCT/EP2017/076127		Smoke Detector Remote Test Apparatus	Johnson Controls Inc.	WC100
AU	Published	2017342054	2017342054	Smoke Detector Remote Test Apparatus	Johnson Controls Inc.	WC100
EP	Published	17791312.6	10803732	Smoke Detector Remote Test Apparatus	Johnson Controls Inc.	WC100
US	Issued	16/340024		Smoke Detector Remote Test Apparatus	Johnson Controls Inc.	WC100
EP	Issued	17190223.2	EP3454311	CHAMBERLESS SMOKE DETECTOR	Johnson Controls Inc.	WC100
AU	Published	2018226504		Chamberless Smoke Detector	Johnson Controls Inc.	WC100
DE	Issued	17190223.2	60 2017 017 903.5	CHAMBERLESS SMOKE DETECTOR	Johnson Controls Inc.	WC100
GB	Issued	17190223.2	EP3454311	CHAMBERLESS SMOKE DETECTOR	Johnson Controls Inc.	WC100
FR	Issued	17190223.2	EP3454311	CHAMBERLESS SMOKE DETECTOR	Johnson Controls Inc.	WC100
US	Issued	16/123724	10580277	Chamberless Smoke Detector	Johnson Controls Inc.	WC100
GB	Published	1808328.7		Fire Alarm Verification	Johnson Controls Inc.	WC100
GB	Published	1808327.9		Fire alarm system and integration	Johnson Controls Inc.	WC100
WO	Published	PCT/EP2019/062849		Fire Alarm Verification	Johnson Controls Inc.	WC100
WO	Published	PCT/EP2019/062789		Fire Alarm System Integration	Johnson Controls Inc.	WC100
GB	Pending	2103074.7		TC19 Zone Occupied Alert	Johnson Controls Inc.	WC100

Schedule B-1 Johnson Controls, Inc.

CTRY	STATUS	APPL. #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
GB	Pending	2107008.1		Address Setting of Building Management System	Johnson Controls Inc.	WC100
EP	Published	15701235.0		Testing System And Method For Fire Alarm System	Johnson Controls Inc.	WC100
US	Pending	16/598025		Adapter Bracket for Notification Appliance	Johnson Controls Inc.	WC100
WO	Published	PCT/IB2016/050026		FIRE SENSOR HAVING A SENSOR GUARD FOR HEAT AND SMOKE DETECTION APPLICATIONS	Johnson Controls Inc.	WC100
WO	Published	PCT/EP2017/052638		A FIRE DETECTION SYSTEM USING A DRONE	Johnson Controls Inc.	WC100
US	Published	14/988949		Interface Actuator Device And Method Of Use	Johnson Controls Inc.	WC100
AU	Published	20172264912		System And Method for Providing Temporary Power To Intermitent Units	Johnson Controls Inc.	WC100
US	Issued	15/957543	10970994	Method And System for Monitoring Fire Alarm Systems	Johnson Controls Inc.	WC100
WO	Published	PCT/IB2017/050249		Location-Aware Provisioning System For Fire Alarm System And Method Therefor	Johnson Controls Inc.	WC100
US	Published	16/477663		Location-Aware Provisioning System For Fire Alarm System And Method Therefor	Johnson Controls Inc.	WC100
US	Published	15/446256		Building Asset Management System	Johnson Controls Inc.	WC100
US	Published	15/446289		Building Management System Method and Interface	Johnson Controls Inc.	WC100
US	Issued	16/850080	10996249	Software Defined Battery Charger System And Method	Johnson Controls Inc.	WC100
AU	Published	2018271365		Power Supply Ripple Detector	Johnson Controls Inc.	WC100
EP	Published	18209988.7		Power Supply Ripple Detector	Johnson Controls Inc.	WC100
US	Issued	15/838898	11018573	Power Supply Ripple Detector	Johnson Controls Inc.	WC100
US	Allowed	16/413274		Abnormal Impedance Fault Isolation	Johnson Controls Inc.	WC100
WO	Published	PCT/IB2018/052404		System And Method for Identifying And Locating Sensed Events	Johnson Controls Inc.	WC100
US	Published	16/486591		System And Method for Identifying And Locating Sensed Events	Johnson Controls Inc.	WC100
CA	Pending	3091894		Gunshot Detection System with Encrypted, Wireless Transmission	Johnson Controls Inc.	WC100
CA	Published	3091552		Gunshot Detection System with Encrypted, Wireless Transmission	Johnson Controls Inc.	WC100
CA	Published	3091318		Gunshot Detection System Anti-Tampering Protection	Johnson Controls Inc.	WC100
CA	Published	3091327		Gunshot Detection System with Ambient Noise Modeling and Monitoring	Johnson Controls Inc.	WC100
CA	Published	3091328		Gunshot Detection System with Fire Alarm System Integration	Johnson Controls Inc.	WC100
CA	Published	3091330		Gunshot Detection Sensors Incorporated into Building Management Devices	Johnson Controls Inc.	WC100
CA	Published	3091332		Gunshot Detection System with Location Tracking	Johnson Controls Inc.	WC100
EP	Published	19711167.7		Gunshot Detection System with Encrypted, Wireless Transmission	Johnson Controls Inc.	WC100
EP	Published	19710785.7		Gunshot Detection System with Building Management System Integration	Johnson Controls Inc.	WC100
EP	Published	19711418.4		Gunshot Detection System Anti-Tampering Protection	Johnson Controls Inc.	WC100
EP	Published	19711419.2		Gunshot Detection System with Ambient Noise Modeling and Monitoring	Johnson Controls Inc.	WC100
EP	Published	19711420.0		Gunshot Detection System with Fire Alarm System Integration	Johnson Controls Inc.	WC100
EP	Published	19711168.5		Gunshot Detection Sensors Incorporated into Building Management Devices	Johnson Controls Inc.	WC100
EP	Published	19710786.5		Gunshot Detection System with Location Tracking	Johnson Controls Inc.	WC100
US	Published	16/968933		Gunshot Detection System with Encrypted, Wireless Transmission	Johnson Controls Inc.	WC100
US	Pending	16/968934		Gunshot Detection System with Building Management System Integration	Johnson Controls Inc.	WC100
US	Published	16/968936		Gunshot Detection System Anti-Tampering Protection	Johnson Controls Inc.	WC100
US	Published	16/968937		Gunshot Detection System with Ambient Noise Modeling and Monitoring	Johnson Controls Inc.	WC100
US	Published	16/968940		Gunshot Detection System with Fire Alarm System Integration	Johnson Controls Inc.	WC100
US	Published	16/968944		Gunshot Detection Sensors Incorporated into Building Management Devices	Johnson Controls Inc.	WC100
US	Published	16/968945		Gunshot Detection System with Location Tracking	Johnson Controls Inc.	WC100
WO	Published	IB2019/051204		Gunshot Detection System with Encrypted, Wireless Transmission	Johnson Controls Inc.	WC100
WO	Published	IB2019/051205		Gunshot Detection System with Building Management System Integration	Johnson Controls Inc.	WC100
WO	Published	IB2019/051206		Gunshot Detection System Anti-Tampering Protection	Johnson Controls Inc.	WC100
WO	Published	IB2019/051207		Gunshot Detection System with Ambient Noise Modeling and Monitoring	Johnson Controls Inc.	WC100
WO	Published	IB2019/051208		Gunshot Detection System with Fire Alarm System Integration	Johnson Controls Inc.	WC100
WO	Published	IB2019/051209		Gunshot Detection Sensors Incorporated into Building Management Devices	Johnson Controls Inc.	WC100
WO	Published	IB2019/051210		Gunshot Detection System with Location Tracking	Johnson Controls Inc.	WC100
EP	Published	19176903.3		Systems And Methods Of Alarm Controls And Directed Audio Evacuation	Johnson Controls Inc.	WC100

Schedule B-1 Johnson Controls, Inc.

CTRY	STATUS	ARTL#	PATENT#	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
US	Issued	16/420428	US10937285	Systems And Methods Of Alarm Controls And Directed Audio Evacuation	Johnson Controls Inc.	WC100
US	Allowed	16/413307		Fault Isolation Locality	Johnson Controls Inc.	WC100
US	Issued	16/270432	10970578	System And Method For Extracting Information From A Non-Planar Surface	Johnson Controls Inc.	WC100
WO	Published	PCT/US2019/020961		Lithium Battery Passivation Detection	Johnson Controls Inc.	WC100
US	Allowed	16/600209		Lithium Battery Passivation Detection	Johnson Controls Inc.	WC100
WO	Published	PCT/US2019/020970		Lithium Battery Activation and Long-Term Maintenance	Johnson Controls Inc.	WC100
US	Published	16/600069		Lithium Battery Activation and Long-Term Maintenance	Johnson Controls Inc.	WC100
WO	Published	PCT/US2019/020978		Lithium Battery Passivation Detection, Activation and Maintenance Module	Johnson Controls Inc.	WC100
US	Published	16/599763		Thermistor Housing	Johnson Controls Inc.	WC100
US	Published	16/390914		Systems And Methods For Echo Management In Conferencing Over A Network Using Mixed Multicast	Johnson Controls Inc.	WC100
US	Published	16/390927		Systems And Methods For Echo Management In Conferencing Over A Network Using Multiplexed Multicast	Johnson Controls Inc.	WC100
US	Issued	16/390952	10958791	Systems And Methods For Echo Management In Conferencing Over A Network Using Multiplexed Mixed Multicast	Johnson Controls Inc.	WC100
WO	Published	PCT/US2020/028247		Systems And Methods For Echo Management In Conferencing Over A Network Using Mixed Multicast	Johnson Controls Inc.	WC100
WO	Published	PCT/US2019/029185		Fire Alarm Peripheral Addressing Using a Smartphone	Johnson Controls Inc.	WC100
WO	Published	PCT/US2019/029164		Capacitive Switch Detector Addressing	Johnson Controls Inc.	WC100
WO	Published	PCT/US2019/029174		Capacitive Switch Detector Addressing	Johnson Controls Inc.	WC100
WO	Published	PCT/US2019/029179		Fire Alarm Peripheral Addressing Using a Unique Identifier	Johnson Controls Inc.	WC100
US	Published	16/379374		Cloud-Based Fire Protection System and Method	Johnson Controls Inc.	WC100
WO	Published	PCT/US2020/027146		Cloud-Based Fire Protection System and Method	Johnson Controls Inc.	WC100
US	Issued	16/421693	10644464	Apparatus And Method For Addressing A Device	Johnson Controls Inc.	WC100
US	Allowed	16/455004		Heads Up Mass Notification	Johnson Controls Inc.	WC100
WO	Published	PCT/US2020/039153		Heads Up Mass Notification	Johnson Controls Inc.	WC100
US	Pending	17/190605		Heads Up Mass Notification	Johnson Controls Inc.	WC100
US	Issued	16/706395	10997851	Erratic Short-Circuit Detection	Johnson Controls Inc.	WC100
US	Published	17/066202		QR Code Proximity Testing	Johnson Controls Inc.	WC100
US	Pending	16/712290		Emergency Notification System and Method	Johnson Controls Inc.	WC100
US	Allowed	16/698334		Method And System For Configuring An Alarm System	Johnson Controls Inc.	WC100
US	Pending	17/129405		Characterization of Reverberation of Audible Spaces	Johnson Controls Inc.	WC100
US	Allowed	16/904299		Systems and Methods for Controlling Combined Initiating Device and Notification Appliance Circuits	Johnson Controls Inc.	WC100
US	Pending	16/904290		Systems and Methods for Controlling Addressable Combined Initiating Device and Notification Appliance Circuits	Johnson Controls Inc.	WC100
US	Pending	63/138137		Smoke Detector Addressing Using Optical Interfacing And An Address Permanent	Johnson Controls Inc.	WC100
IN	Pending	202011056504		A Control Panel for Fire Alarm Systems	Johnson Controls Inc.	WC100
US	Issued	10/733979	6950016	Walk through Test system	Johnson Controls Inc.	WC100
US	Issued	10/144161	6737967	Wireless Walk Through Test System	Johnson Controls Inc.	WC100
US	Pending	63/088780		Spring Bracket	Johnson Controls Inc.	WC100
US	Pending	63/168004		Cloud-Based Fire Panel Application	Johnson Controls Inc.	WC100
US	Issued	14/173485	9361785	System And Method For Testing Battery Backup Capacities In Alarm Systems	Johnson Controls Inc.	WC100
US	Issued	14/157847	9552720	Testing System And Method For Fire Alarm System	Johnson Controls Inc.	WC100
US	Issued	15/378363	9990841	Testing System And Method For Fire Alarm System	Johnson Controls Inc.	WC100
US	Issued	14/514120	10121343	Adapter Bracket For Notification Appliance	Johnson Controls Inc.	WC100
US	Issued	14/814805	10339793	System And Method For Smoke Detector Performance Analysis	Johnson Controls Inc.	WC100
DE	Issued	16183884.2	EP3151208 B1	SYSTEM AND METHOD FOR PROVIDING SUPPLEMENTAL POWER TO UNITS	Johnson Controls Inc.	WC100
EP	Issued	16183884.2	EP3151208 B1	SYSTEM AND METHOD FOR PROVIDING SUPPLEMENTAL POWER TO UNITS	Johnson Controls Inc.	WC100
FR	Issued	16183884.2	EP3151208 B1	SYSTEM AND METHOD FOR PROVIDING SUPPLEMENTAL POWER TO UNITS	Johnson Controls Inc.	WC100
GB	Issued	16183884.2	EP3151208 B1	SYSTEM AND METHOD FOR PROVIDING SUPPLEMENTAL POWER TO UNITS	Johnson Controls Inc.	WC100

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CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
US	Issued	15/990125	10769937	System and Method for Charging Supplemental Power Units for Alarm Notification Devices	Johnson Controls Inc.	WC100
US	Issued	15/805223	10388146	Contextual Fire Detection And Alarm Verification Method And System	Johnson Controls Inc.	WC100
US	Issued	14/863674	10297129	Fire/Security Service System With Augmented Reality	Johnson Controls Inc.	WC100
US	Issued	15/088533	10074265	Mesh Network Testing System And Method For Fire Alarm System	Johnson Controls Inc.	WC100
US	Issued	16/248398	10831167	Fire Alarm Inspection Application And User Interface	Johnson Controls Inc.	WC100
US	Issued	15/600509	10216164	Fire Alarm Inspection Application And User Interface	Johnson Controls Inc.	WC100
US	Issued	15/619780	10390160	System And Method For Testing Emergency Address Systems Using Voice Recognition	Johnson Controls Inc.	WC100
US	Issued	15/696641	10663501	Software Defined Battery Charger System And Method	Johnson Controls Inc.	WC100
US	Issued	15/617678	10616181	Security Panel Gateway System And Method	Johnson Controls Inc.	WC100
US	Issued	15/004420	9922509	Strobe Notification Appliance With Directional Information	Johnson Controls Inc.	WC100
US	Allowed	15/923213		STROBE NOTIFICATION APPLIANCE AND EMERGENCY LIGHTING APPLIANCE WITH DIRECTIONAL INFORMATION	Johnson Controls Inc.	WC100
US	Issued	15/633111	10607477	Hardware Fire Alarm Panel Walktest Decoder	Johnson Controls Inc.	WC100
US	Issued	15/095697	10453320	Addressing Method For Slave Units In Fire Detection System	Johnson Controls Inc.	WC100
US	Published	15/095680		Fire Detection System With Automatic Firmware Updating	Johnson Controls Inc.	WC100
AU	Published	2017250616		Fire Detection System With Automatic Firmware Updating	Johnson Controls Inc.	WC100
BR	Published	BR112018070911-5		Fire detection system with automatic firmware update	Johnson Controls Inc.	WC100
CA	Published	3018298		Fire Detection System With Automatic Firmware Updating	Johnson Controls Inc.	WC100
CL	Published	201802817		Fire Detection System With Automatic Firmware Updating	Johnson Controls Inc.	WC100
CN	Published	201780022948 9		The fire detection system updated with automated firmware	Johnson Controls Inc.	WC100
EP	Published	17717877 9		Fire Detection System With Automatic Firmware Updating	Johnson Controls Inc.	WC100
IN	Published	201847040399		Fire Detection System With Automatic Firmware Updating	Johnson Controls Inc.	WC100
MX	Published	MX/a/2018/012452		Fire Detection System With Automatic Firmware Updating	Johnson Controls Inc.	WC100
RU	Issued	2018139565	2731319	Fire Detection System With Automatic Firmware Updating	Johnson Controls Inc.	WC100
ZA	Issued	2018/06278	2018/06278	Fire Detection System With Automatic Firmware Updating	Johnson Controls Inc.	WC100
US	Issued	15/095691	10860541	Fire Detection System With Distributed File System	Johnson Controls Inc.	WC100
AU	Published	2017250617		Fire Detection System With Distributed File System	Johnson Controls Inc.	WC100
BR	Published	BR112018070930-1		Fire Detection System With Distributed File System	Johnson Controls Inc.	WC100
CA	Published	3018301		Fire Detection System With Distributed File System	Johnson Controls Inc.	WC100
CL	Published	201802832		Fire Detection System With Distributed File System	Johnson Controls Inc.	WC100
CN	Pending	201780022934 7		Fire Detection System With Distributed File System	Johnson Controls Inc.	WC100
EP	Issued	17719345 5	3443455	Fire Detection System With Distributed File System	Johnson Controls Inc.	WC100
PL	Issued	17719345 5	3443455	Fire Detection System With Distributed File System	Johnson Controls Inc.	WC100
DE	Issued	17719345 5	3443455	Fire Detection System With Distributed File System	Johnson Controls Inc.	WC100
FI	Issued	17719345 5	3443455	Fire Detection System With Distributed File System	Johnson Controls Inc.	WC100
GB	Issued	17719345 5	3443455	Fire Detection System With Distributed File System	Johnson Controls Inc.	WC100
SE	Issued	17719345 5	3443455	Fire Detection System With Distributed File System	Johnson Controls Inc.	WC100
IN	Published	201847040435		Fire Detection System With Distributed File System	Johnson Controls Inc.	WC100
MX	Published	MX/a/2018/012453		Fire Detection System With Distributed File System	Johnson Controls Inc.	WC100
RU	Published	2018139557		Fire Detection System With Distributed File System	Johnson Controls Inc.	WC100
ZA	Issued	2018/06274	2018/06274	Fire Detection System With Distributed File System	Johnson Controls Inc.	WC100
US	Published	17/008900		Motion Detector With Adjustable Pattern Direction	Johnson Controls Inc.	WC100
WO	Published	PCT/US2020/036075		Unsupervised Enrollment for Anti-Theft Facial Recognition System	Johnson Controls Inc.	WC100
EP	Pending	20747501.3		Unsupervised Enrollment for Anti-Theft Facial Recognition System	Johnson Controls Inc.	WC100
US	Pending	17/287421		Unsupervised Enrollment for Anti-Theft Facial Recognition System	Johnson Controls Inc.	WC100
US	Pending	29/704574		Motion Sensor	Johnson Controls Inc.	WC100
US	Issued	11/884291	7940190	SMOKE DETECTOR	Johnson Controls Inc.	WC100
US	Issued	12/277790	8063763	SYSTEM FOR TESTING NAC OPERABILITY USING REDUCED OPERATING VOLTAGE	Johnson Controls Inc.	WC100

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CTRY	STATUS	ARTN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTRY ID
US	Issued	12/568423	8198997	FIRE GAS DETECTOR-CODING	Johnson Controls Inc.	WC100
US	Issued	13/199322	8773254	AUTOMATIC CONFIGURATION OF INITIATING DEVICES	Johnson Controls Inc.	WC100
US	Issued	13/325724	8601700	SPRINKLER DROP RULER	Johnson Controls Inc.	WC100
US	Issued	13/877038	9343884	Mounting Unit	Johnson Controls Inc.	WC100
US	Issued	14/047938	9058731	Smoke Detector with Airflow Barrier	Johnson Controls Inc.	WC100
US	Allowed	16/004766		Smoke Sensor With Test Switch And Method Of Operation Thereof	Johnson Controls Inc.	WC100
EP	Issued	14824929.5	EP3084737	System And Method For Monitoring And Suppressing Fire	Johnson Controls Inc.	WC100
EP	Allowed	14825187.9	EP3084738	System And Method For Detecting Fire Location	Johnson Controls Inc.	WC100
US	Issued	15/105304	9990824	System And Method For Detecting Fire Location	Johnson Controls Inc.	WC100
US	Issued	15/966562	10497243	System And Method For Monitoring Fire Location	Johnson Controls Inc.	WC100
DE	Issued	14824929.5	EP3084737	System And Method For Monitoring And Suppressing Fire	Johnson Controls Inc.	WC100
FR	Issued	14824929.5	EP3084737	System And Method For Monitoring And Suppressing Fire	Johnson Controls Inc.	WC100
GB	Issued	14824929.5	EP3084737	System And Method For Monitoring And Suppressing Fire	Johnson Controls Inc.	WC100
US	Published	15/105308		System And Method For Monitoring And Suppressing Fire	Johnson Controls Inc.	WC100
EP	Issued	14825188.7	3084736	System And Method For Detecting And Suppressing Fire Using Wind Information	Johnson Controls Inc.	WC100
DE	Issued	14825188.7	3084736	System And Method For Detecting And Suppressing Fire Using Wind Information	Johnson Controls Inc.	WC100
DK	Issued	14825188.7	3084736	System And Method For Detecting And Suppressing Fire Using Wind Information	Johnson Controls Inc.	WC100
ES	Issued	14825188.7	3084736	System And Method For Detecting And Suppressing Fire Using Wind Information	Johnson Controls Inc.	WC100
FR	Issued	14825188.7	3084736	System And Method For Detecting And Suppressing Fire Using Wind Information	Johnson Controls Inc.	WC100
GB	Issued	14825188.7	3084736	System And Method For Detecting And Suppressing Fire Using Wind Information	Johnson Controls Inc.	WC100
NL	Issued	14825188.7	3084736	System And Method For Detecting And Suppressing Fire Using Wind Information	Johnson Controls Inc.	WC100
SE	Issued	14825188.7	3084736	System And Method For Detecting And Suppressing Fire Using Wind Information	Johnson Controls Inc.	WC100
US	Issued	15/105311	9990825	System And Method For Detecting And Suppressing Fire Using Wind Information	Johnson Controls Inc.	WC100
US	Issued	15/973001	10573145	System And Method For Detecting And Suppressing Fire Using Wind Information	Johnson Controls Inc.	WC100
US	Issued	13/173032	8797157	System And Method For Monitoring Usage And Predicting Failure Of Visual Notification Appliances	Johnson Controls Inc.	WC100
US	Issued	15/707142	10735418	Method And System For Service Verification Using Access Control System	Johnson Controls Inc.	WC100
EP	Published	18194955.3		Method And System For Service Verification Using Wifi Signal Strength Mapping	Johnson Controls Inc.	WC100
US	Issued	15/707148	10681667	Method And System For Service Verification Using Wifi Signal Strength Mapping	Johnson Controls Inc.	WC100
EP	Published	18194957.9		Method And Apparatus For Verifying Service Of Installed Devices Using Rfid	Johnson Controls Inc.	WC100
US	Issued	15/707161	10755555	Method And Apparatus For Verifying Service Of Installed Devices Using Rfid	Johnson Controls Inc.	WC100
US	Published	15/707167		Method And Apparatus For Evaluation Of Temperature Sensors	Johnson Controls Inc.	WC100
US	Issued	13/173049	8794389	Interface between fire panel and elevator controller	Johnson Controls Inc.	WC100
US	Issued	12/756066	7994729	Optical Element Driving Circuit	Johnson Controls Inc.	WC100
EP	Issued	09785183.6	EP2350616	A Particulate Detector	Johnson Controls Inc.	WC100
FR	Issued	09785183.6	2350616	A Particulate Detector	Johnson Controls Inc.	WC100
US	Issued	13/121467	8559006	Particulate detector	Johnson Controls Inc.	WC100
US	Issued	13/578522	9286779	Detector Devices	Johnson Controls Inc.	WC100
AU	Issued	2005239104	2005239104	Testing a fire detector sensor	Johnson Controls Inc.	WC100
US	Issued	11/587461	7609154	Testing a fire detector sensor	Johnson Controls Inc.	WC100
AU	Issued	2013220147	2013220147	Combustion product detection	Johnson Controls Inc.	WC100

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CTRY STATUS	ARTN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
EP Issued	13706679.1	EP2815388 B2	Combustion Product Detection	Johnson Controls Inc.	WC100
DE Issued	13706679.1	60201302.1938.9	Combustion Product Detection	Johnson Controls Inc.	WC100
FR Issued	13706679.1	EP2815388 B2	Combustion Product Detection	Johnson Controls Inc.	WC100
GB Issued	13706679.1	EP2815388 B2	COMBUSTION PRODUCT DETECTION	Johnson Controls Inc.	WC100
AU Issued	2005328223	2005328223	Detection arrangements	Johnson Controls Inc.	WC100
US Issued	11/884507	7843324	Detection arrangements	Johnson Controls Inc.	WC100
DE Issued	11785048.7	60 2011 059 876.7	Safety System	Johnson Controls Inc.	WC100
FR Issued	11785048.7	EP2625679	Safety System	Johnson Controls Inc.	WC100
GB Issued	11785048.7	EP2625679	Safety System	Johnson Controls Inc.	WC100
AU Issued	2011311359	201131	Safety System	Johnson Controls Inc.	WC100
EP Issued	11785048.7	EP2625679	Safety System	Johnson Controls Inc.	WC100
AU Issued	2015200391	2015200391	Detector System	Johnson Controls Inc.	WC100
AU Published	2015200392	AU 2015200392 B2	Detector System	Johnson Controls Inc.	WC100
EP Issued	17150897.1	EP3174224	Detector System	Johnson Controls Inc.	WC100
DE Issued	17150897.1	60 2011 062 538.1	Detector System	Johnson Controls Inc.	WC100
FR Issued	17150897.1	3174224	Detector System	Johnson Controls Inc.	WC100
GB Issued	17150897.1	EP3174224	Detector System	Johnson Controls Inc.	WC100
EP Issued	17150897.7	EP3171531	Detector System	Johnson Controls Inc.	WC100
DE Issued	17150897.7	EP3171531	Detector System	Johnson Controls Inc.	WC100
FR Issued	17150899.7	EP3171531-602011059404.4	Detector System	Johnson Controls Inc.	WC100
FR Issued	17150899.7	EP3171531	Detector System	Johnson Controls Inc.	WC100
GB Issued	17150899.7	EP3171531	Detector System	Johnson Controls Inc.	WC100
AU Issued	2011311361	2011311361	Detector System	Johnson Controls Inc.	WC100
EP Issued	11788548.3	EP2625680 B1	Detector System	Johnson Controls Inc.	WC100
DE Issued	11788548.3	602011054512.5	Detector System	Johnson Controls Inc.	WC100
FR Issued	11788548.3	EP2625680 B1	Detector System	Johnson Controls Inc.	WC100
US Issued	13/877045	9847019	Detector System	Johnson Controls Inc.	WC100
EP Published	18203881.0		Isolator Circuit	Johnson Controls Inc.	WC100
EP Published	18203884.4		Isolator Circuit	Johnson Controls Inc.	WC100
US Issued	14/831977	9673615	Isolator Circuit	Johnson Controls Inc.	WC100
US Issued	15/058623	10069293	Isolator Circuit	Johnson Controls Inc.	WC100
AU Issued	2011311360	2011311360	Isolator Circuit	Johnson Controls Inc.	WC100
EP Issued	11784733.5	2625677	Isolator Circuit	Johnson Controls Inc.	WC100
DE Issued	11784733.5	2625677	Isolator Circuit	Johnson Controls Inc.	WC100
FR Issued	20110784733	2625677	Isolator Circuit	Johnson Controls Inc.	WC100
GB Issued	11784733.5	2625677	Isolator Circuit	Johnson Controls Inc.	WC100
US Issued	13/877056	9153968	Isolator Circuit	Johnson Controls Inc.	WC100
US Issued	13/249466	8736444	System And Method For Wireless Heat Detection	Johnson Controls Inc.	WC100
US Issued	13/271976	9245427	System And Method For Synchronization Of Networked Fire Alarm Panels	Johnson Controls Inc.	WC100
AE Pending	P944/14		System And Method For Synchronization Of Networked Fire Alarm Panels	Johnson Controls Inc.	WC100
AU Issued	2013328423	2013328423	Interface Circuit For Distributed Fire Alarm In Loop Configuration	Johnson Controls Inc.	WC100
EP Published	13774772.1		Interface Circuit For Distributed Fire Alarm In Loop Configuration	Johnson Controls Inc.	WC100
AU Issued	2006251046	2006251046	Detector	Johnson Controls Inc.	WC100
US Issued	11/921113	7948628	Window cleanliness detection system	Johnson Controls Inc.	WC100
AU Issued	2006251047	2006251047	A flame detector and a method	Johnson Controls Inc.	WC100
US Issued	11/921111	7956329	Flame detector and a method	Johnson Controls Inc.	WC100
US Issued	11/514612	8319625	Fire alarm textual notification related application	Johnson Controls Inc.	WC100
DE Issued	20140799875	202014011360.2	Alarm Panel	Johnson Controls Inc.	WC100
EP Issued	14195284.6	EP2879105 B1	Control Panel For A Fire Detection System	Johnson Controls Inc.	WC100
DE Issued	14195284.6	EP2879105 B1	Control Panel For A Fire Detection System	Johnson Controls Inc.	WC100
FR Issued	14195284.6	EP2879105 B1	Control Panel For A Fire Detection System	Johnson Controls Inc.	WC100

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CTRY	STATUS	ARTN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
GB	Issued	14195284.6	EP2879105 B1	Control Panel For A Fire Detection System	Johnson Controls Inc.	WC100
FR	Issued	07824656.8	2109759	A Detector	Johnson Controls Inc.	WC100
EP	Issued	07824656.8	2109759	A Detector	Johnson Controls Inc.	WC100
DE	Issued	07824656.8	2109759	A Detector	Johnson Controls Inc.	WC100
GB	Issued	07824656.8	2109759	A Detector	Johnson Controls Inc.	WC100
US	Issued	12/525928	9134180	Detector	Johnson Controls Inc.	WC100
EP	Published	08775960.1		Identifying A Plurality Of Devices	Johnson Controls Inc.	WC100
US	Issued	12/688531	8232869	Identifying A Plurality Of Devices	Johnson Controls Inc.	WC100
US	Issued	29/590034	D805940	Sounder for alarm unit	Johnson Controls Inc.	WC100
US	Issued	12/530241	8154415	Detector	Johnson Controls Inc.	WC100
GB	Issued	1804718.3	2572223	Power control circuit	Johnson Controls Inc.	WC100
WO	Published	PCT/EP2019/056625		POWER CONTROL CIRCUIT	Johnson Controls Inc.	WC100
AU	Published	2019238961	2019238961	Power control circuit	Johnson Controls Inc.	WC100
EP	Allowed	19711897.9		POWER CONTROL CIRCUIT	Johnson Controls Inc.	WC100
US	Published	16/979622		Power Control Circuit	Johnson Controls Inc.	WC100
CH	Issued	06702888.6	1867039	AN ELECTRICAL CIRCUIT, A DETECTION SYSTEM AND AN OPERATING METHOD THEREOF	Johnson Controls Inc.	WC100
GB	Published	1901937.1		Voice Alarm Notification Device	Johnson Controls Inc.	WC100
WO	Published	PCT/EP2020/053661		Voice Alarm Notification Device	Johnson Controls Inc.	WC100
GB	Published	1901938.9		Voice Alarm Device	Johnson Controls Inc.	WC100
WO	Published	PCT/EP2020/053660		Voice Alarm Device	Johnson Controls Inc.	WC100
EP	Published	11749587.9		Supervision For A Light Display Device	Johnson Controls Inc.	WC100
EP	Allowed	12820989.7		System And Method For Backup Communication Over Ethernet	Johnson Controls Inc.	WC100
DE	Issued	12813151.3	2783478	System And Method For Backup Communication Using Power Over Ethernet	Johnson Controls Inc.	WC100
EP	Issued	12813151.3	2783478	System And Method For Backup Communication Using Power Over Ethernet	Johnson Controls Inc.	WC100
FR	Issued	12813151.3	2783478	System And Method For Backup Communication Using Power Over Ethernet	Johnson Controls Inc.	WC100
GB	Issued	12813151.3	2783478	System And Method For Backup Communication Using Power Over Ethernet	Johnson Controls Inc.	WC100
EP	Published	13726335.6		Current Regulated led Strobe Drive Circuit	Johnson Controls Inc.	WC100
US	Issued	13/495559	8760301	Led Strobes With Fixed Pulse Width	Johnson Controls Inc.	WC100
US	Issued	14/768862	9053619	Led Strobes With Fixed Pulse Width	Johnson Controls Inc.	WC100
AU	Published	2013274534	2013274534	Led Strobes With Fixed Pulse Width	Johnson Controls Inc.	WC100
EP	Issued	1373101.1.6	EP2862150	LED STROBES WITH VARIABLE CANDELA SETTINGS AND FIXED PULSE WIDTH	Johnson Controls Inc.	WC100
DE	Issued	1373101.1.6	EP2862150	LED STROBES WITH VARIABLE CANDELA SETTINGS AND FIXED PULSE WIDTH	Johnson Controls Inc.	WC100
FR	Issued	1373101.1.6	EP2862150	LED STROBES WITH VARIABLE CANDELA SETTINGS AND FIXED PULSE WIDTH	Johnson Controls Inc.	WC100
GB	Issued	1373101.1.6	EP2862150	LED STROBES WITH VARIABLE CANDELA SETTINGS AND FIXED PULSE WIDTH	Johnson Controls Inc.	WC100
US	Issued	13/836685	9030314	Method For Inspecting And Testing Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
EP	Published	14709505.3		Methods For Inspecting And Testing Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
US	Issued	13/896906	9007201	Method For Self-Testing Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
EP	Allowed	14728788.2		Method For Self-Testing Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
US	Issued	14/070896	9374239	Alarm System Network Operation	Johnson Controls Inc.	WC100
US	Issued	14/084721	10074254	Cloud-Based Method And Apparatus For Configuring A Fire Panel	Johnson Controls Inc.	WC100
US	Issued	13/835525	9076321	Real Time Control Chart Generation And Monitoring Of Safety Systems	Johnson Controls Inc.	WC100
AU	Issued	2014202166	2014202166	System And Method For Using Customer Data Networks For Alarm Systems	Johnson Controls Inc.	WC100
EP	Published	14167268.3	9293031	System And Method For Using Customer Data Networks For Alarm Systems	Johnson Controls Inc.	WC100
US	Issued	13/889448	10044178	System And Method For Using Customer Data Networks For Alarm Systems	Johnson Controls Inc.	WC100
US	Issued	13/890351	10044178	Notification Appliance Enclosure	Johnson Controls Inc.	WC100
US	Issued	14/046157	9459208	Duct Detector With Remote Airflow Test Capability	Johnson Controls Inc.	WC100
US	Issued	14/095172	9842486	User Interface Configuration For Alarm Systems	Johnson Controls Inc.	WC100
AE	Pending	D243/J5		Unknown Title	Johnson Controls Inc.	WC100
EP	Issued	15750185.9	EP3175171	Strobe Notification Appliance	Johnson Controls Inc.	WC100

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CTRY	STATUS	APPL. #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
AU	Published	2016213785	2016213785	System And Method For Providing Supplemental Power To Units	Johnson Controls Inc.	WC100
WO	Published	PCT/IB2017/056828		Method And System For Monitoring Fire Alarm Systems	Johnson Controls Inc.	WC100
EP	Published	17804951.6		Method And System For Monitoring Fire Alarm Systems	Johnson Controls Inc.	WC100
WO	Published	PCT/US2016/60883		Synchronization Of Notification Patterns In Alerting Systems	Johnson Controls Inc.	WC100
WO	Published	PCT/US2017/046952		Method For Acoustically Counting Gunshots Fired Indoors	Johnson Controls Inc.	WC100
EP	Published	17758001.6		Method For Acoustically Counting Gunshots Fired Indoors	Johnson Controls Inc.	WC100
US	Published	16/328093		Method For Acoustically Counting Gunshots Fired Indoors	Johnson Controls Inc.	WC100
WO	Published	PCT/US2017/046940		System And Method For Acoustically Identifying Gunshots Fired Indoors	Johnson Controls Inc.	WC100
EP	Issued	17764473.9	EP3504691	SYSTEM AND METHOD FOR ACOUSTICALLY IDENTIFYING GUNSHOTS FIRED INDOORS	Johnson Controls Inc.	WC100
US	Issued	16/328070	10832565	System And Method For Acoustically Identifying Gunshots Fired Indoors	Johnson Controls Inc.	WC100
US	Published	17/060390		System And Method For Acoustically Identifying Gunshots Fired Indoors	Johnson Controls Inc.	WC100
WO	Published	IB2019/051202		Gunshot Detection System with Forensic Data Retention, Live Audio	Johnson Controls Inc.	WC100
CA	Pending	3091482		Monitoring, and Two-Way Communication	Johnson Controls Inc.	WC100
CA	Published	3091550		Monitoring, and Two-Way Communication	Johnson Controls Inc.	WC100
EP	Published	19707130.1		Gunshot Detection System with Forensic Data Retention, Live Audio	Johnson Controls Inc.	WC100
EP	Published	19711166.9		Monitoring, and Two-Way Communication	Johnson Controls Inc.	WC100
US	Published	16/968931		Gunshot Detection System with Master Slave Timing Architecture	Johnson Controls Inc.	WC100
US	Published	16/968932		Monitoring, and Two-Way Communication	Johnson Controls Inc.	WC100
WO	Published	IB2019/051203		Gunshot Detection System with Master Slave Timing Architecture	Johnson Controls Inc.	WC100
US	Issued	10/872852	7369037	Programmable Multicore Notification Device	Johnson Controls Inc.	WC100
US	Issued	13/369099	8503491	Fiber Optic Multiplex Modem	Johnson Controls Inc.	WC100
US	Issued	10/873027	7170396	Addressable Smart Speaker	Johnson Controls Inc.	WC100
US	Issued	14/259176	9659485	Self-Testing Smoke Detector With Integrated Smoke Source	Johnson Controls Inc.	WC100
EP	Issued	15718105.8	EP3134886	Self-Testing Smoke Detector With Integrated Smoke Source	Johnson Controls Inc.	WC100
DE	Issued	15718105.8	EP3134886	Self-Testing Smoke Detector With Integrated Smoke Source	Johnson Controls Inc.	WC100
FR	Issued	15718105.8	EP3134886	Self-Testing Smoke Detector With Integrated Smoke Source	Johnson Controls Inc.	WC100
GB	Issued	15718105.8	EP3134886	Self-Testing Smoke Detector With Integrated Smoke Source	Johnson Controls Inc.	WC100
US	Issued	14/455024	9767679	Method And Apparatus For Testing Fire Alarm Initiating Devices	Johnson Controls Inc.	WC100
AU	Issued	2015221823	2015221823	Method And Apparatus For Testing Fire Alarm Initiating Devices	Johnson Controls Inc.	WC100
DE	Issued	15707428.7	EP3111435	Method And Apparatus For Testing Fire Alarm Initiating Devices	Johnson Controls Inc.	WC100
FR	Issued	15707428.7	EP3111435	Method And Apparatus For Testing Fire Alarm Initiating Devices	Johnson Controls Inc.	WC100
GB	Issued	15707428.7	EP3111435	Method And Apparatus For Testing Fire Alarm Initiating Devices	Johnson Controls Inc.	WC100
US	Issued	14/319839	9673596	Back box with mounting posts projecting from recessed portions in sidewalls	Johnson Controls Inc.	WC100
AU	Issued	20150011843F	AU 361708	Notification Appliance	Johnson Controls Inc.	WC100
EM	Issued	002680074-0001	002680074-0001	Unknown Title	Johnson Controls Inc.	WC100
NZ	Issued	420140	420140	Notification Appliance	Johnson Controls Inc.	WC100
SA	Issued	415360324	4397	Unknown Title	Johnson Controls Inc.	WC100
US	Issued	14/514071	10002509	Optic For A Stroke Notification Appliance	Johnson Controls Inc.	WC100
US	Issued	14/514097	9875630	Notification Appliance	Johnson Controls Inc.	WC100
US	Issued	14/514083	9959725	Stroke Notification Appliance	Johnson Controls Inc.	WC100
US	Issued	14/514113	9704364	Notification Appliance	Johnson Controls Inc.	WC100
US	Issued	29/512235	D769757	Notification Appliance	Johnson Controls Inc.	WC100
AU	Published	2015298173	AU2015298173	Stroke Notification Appliance	Johnson Controls Inc.	WC100
US	Issued	14/670921	9672704	Emergency System Textual Notification Device With Alert Mechanism	Johnson Controls Inc.	WC100
US	Issued	14/728373	9830794	Fire Sensor Having A Sensor Guard For Heat And Smoke Detection Applications	Johnson Controls Inc.	WC100

Schedule B-1 Johnson Controls, Inc.

CTRY STATUS	ARTN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
US Issued	15/095614	10008105	System And Method For Charging Supplemental Power Units For Alarm Notification Devices	Johnson Controls Inc.	WC100
DE Issued	16183712.5	602016047013.6	CONTEXTUAL FIRE DETECTION AND ALARM VERIFICATION	Johnson Controls Inc.	WC100
EP Issued	16183712.5	EP3147879	CONTEXTUAL FIRE DETECTION AND ALARM VERIFICATION	Johnson Controls Inc.	WC100
FR Issued	16183712.5	EP3147879	CONTEXTUAL FIRE DETECTION AND ALARM VERIFICATION	Johnson Controls Inc.	WC100
GB Issued	16183712.5	EP3147879	CONTEXTUAL FIRE DETECTION AND ALARM VERIFICATION	Johnson Controls Inc.	WC100
US Issued	14/860286	9824574	Contextual Fire Detection And Alarm Verification Method And System	Johnson Controls Inc.	WC100
EM Issued	002938480	002938480-0001	Alarm devices - Detector with offset sounder	Johnson Controls Inc.	WC100
US Issued	14/943751	1007575	Door Lock Extender And Method Of Use	Johnson Controls Inc.	WC100
US Issued	15/088618	9959748	Fire Detection System With Self-Testing Fire Sensors	Johnson Controls Inc.	WC100
US Issued	15/342427	9978256	Method And System For Monitoring Fire Alarm Systems	Johnson Controls Inc.	WC100
US Issued	11/782358	7333010	Method and apparatus for verifying operation of notification appliances during low input voltage condition	Johnson Controls Inc.	WC100
US Issued	11/479641	7471049	Optical element driving circuit	Johnson Controls Inc.	WC100
US Issued	11/432120	7456585	Optical element driving circuit	Johnson Controls Inc.	WC100
US Issued	12/040300	8023661	Self-adjusting and self-modifying addressable speaker	Johnson Controls Inc.	WC100
US Issued	11/825213	8558711	System for testing MAC operability using backup power	Johnson Controls Inc.	WC100
US Issued	11/881312	7688212	Method and apparatus for providing occupancy information in a fire alarm system	Johnson Controls Inc.	WC100
US Issued	11/906827	7999692	Non-addressable dual notification appliance	Johnson Controls Inc.	WC100
US Issued	12/360461	8138928	Multiple Event Notification Appliance	Johnson Controls Inc.	WC100
DE Issued	08850142.4	60 2008 029 316.5	VOX CIRCUIT INTERFACE WITH 2-WIRE COMMUNICATION PATHS	Johnson Controls Inc.	WC100
FR Issued	08850142.4	2208289	VOX CIRCUIT INTERFACE WITH 2-WIRE COMMUNICATION PATHS	Johnson Controls Inc.	WC100
GB Issued	08850142.4	2208289	VOX CIRCUIT INTERFACE WITH 2-WIRE COMMUNICATION PATHS	Johnson Controls Inc.	WC100
US Issued	11/940903	8081778	VOX circuit with 2-wire interfaces	Johnson Controls Inc.	WC100
EP Issued	08850142.4	2208289	VOX CIRCUIT INTERFACE WITH 2-WIRE COMMUNICATION PATHS	Johnson Controls Inc.	WC100
US Issued	12/260728	8049632	Switchable Strobe Lens	Johnson Controls Inc.	WC100
US Issued	13/195497	8269637	Switchable Strobe Lens	Johnson Controls Inc.	WC100
EP Published	18194954.6		Method And Apparatus For Cloud Based Predictive Service Scheduling And Evaluation	Johnson Controls Inc.	WC100
US Published	15/707135		Method And Apparatus For Cloud Based Predictive Service Scheduling And Evaluation	Johnson Controls Inc.	WC100
EP Allowed	18195315.9		Method And System For Service Verification Using Access Control System	Johnson Controls Inc.	WC100
DE Issued	18194953.8	602018010325.2	Method And Apparatus For Evaluation Of Temperature Sensors	Johnson Controls Inc.	WC100
EP Issued	18194953.8	EP3457371	Method And Apparatus For Evaluation Of Temperature Sensors	Johnson Controls Inc.	WC100
FR Issued	18194953.8	EP3457371	Method And Apparatus For Evaluation Of Temperature Sensors	Johnson Controls Inc.	WC100
GB Issued	18194953.8	EP3457371	Method And Apparatus For Evaluation Of Temperature Sensors	Johnson Controls Inc.	WC100
US Issued	12/249580	8511630	Emergency notification appliance mounting bracket	Johnson Controls Inc.	WC100
US Issued	12/533828	8373420	Ground Fault Detection	Johnson Controls Inc.	WC100
US Issued	12/483039	8228182	Self-Testing Notification Appliance	Johnson Controls Inc.	WC100
US Issued	12/577014	8368528	Configurable Notification Device	Johnson Controls Inc.	WC100
US Issued	12/884818	8378806	Pseudo non-addressable alarm system	Johnson Controls Inc.	WC100
US Issued	12/749928	8845136	Adjustable Strobe Reflector Assembly	Johnson Controls Inc.	WC100
US Issued	13/005704	8354798	Compensation Circuit For Current Peaking Reduction In Notification Appliances	Johnson Controls Inc.	WC100
US Issued	13/709180	8558472	Compensation Circuit For Current Peaking Reduction In Notification Appliances	Johnson Controls Inc.	WC100
US Issued	14/098007	9185774	System And Method For Detecting A Property Of A Strobe Cover	Johnson Controls Inc.	WC100
US Issued	12/851958	8624754	System And Method For Detecting A Property Of A Strobe Cover	Johnson Controls Inc.	WC100
US Issued	13/042191	8698613	Integrated Test-Mode For Monitoring Of Fire And Security System Networks	Johnson Controls Inc.	WC100
US Issued	12/946708	8705038	Duct Detector	Johnson Controls Inc.	WC100

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CTRY STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
US Issued	12/972151	8508359	Method And System For Wireless Configuration, Control, And Status Reporting Of Devices In A Fire Alarm System	Johnson Controls Inc.	WC100
US Issued	13/929335	8988217	Method And System For Wireless Configuration, Control, And Status Reporting Of Devices In A Fire Alarm System	Johnson Controls Inc.	WC100
US Issued	12/944801	8723681	Apparatus And Methods For Providing Emergency Override Of Informational Displays	Johnson Controls Inc.	WC100
US Issued	14/075157	9642210	Supervision For A Light Display Device	Johnson Controls Inc.	WC100
US Issued	13/193304	8760280	Method And Apparatus For Communicating With Non-Addressable Notification Appliances	Johnson Controls Inc.	WC100
DE Issued	12730075.4	2721590	Dual Mode Led Strobe	Johnson Controls Inc.	WC100
FR Issued	12730075.4	2721590	Dual Mode Led Strobe	Johnson Controls Inc.	WC100
GB Issued	12730075.4	2721590	Dual Mode Led Strobe	Johnson Controls Inc.	WC100
US Issued	13/160185	8773276	Dual Mode Led Strobe	Johnson Controls Inc.	WC100
US Issued	14/324816	9355535	Dual Mode Led Strobe	Johnson Controls Inc.	WC100
US Issued	14/341549	9466186	Conditionally Variable Strobe Notification Appliance	Johnson Controls Inc.	WC100
EP Issued	12730075.4	2721590	Dual Mode Led Strobe	Johnson Controls Inc.	WC100
US Issued	13/433327	9026439	Verbal Intelligibility Analyzer For Audio Announcement Systems	Johnson Controls Inc.	WC100
US Issued	13/525427	8796931	Current Regulated Led Strobe Drive Circuit	Johnson Controls Inc.	WC100
US Issued	14/315721	9345082	Current Regulated Led Strobe Drive Circuit	Johnson Controls Inc.	WC100
AU Issued	2013277716	2013277716	Current Regulated Led Strobe Drive Circuit	Johnson Controls Inc.	WC100
US Issued	13/422368	8939013	Duct Detector With Improved Functional Test Capability	Johnson Controls Inc.	WC100
US Issued	13/601585	8693641	Fire Alarm With Integrated Firefighter Communications System	Johnson Controls Inc.	WC100
US Issued	13/540690	8890704	Method And Apparatus For Monitoring Transient Electrical Strikes	Johnson Controls Inc.	WC100
US Issued	13/610801	8797724	Notification Appliance Enclosure	Johnson Controls Inc.	WC100
US Issued	13/780244	9814157	Wire Management And Wire Entry Cover Bracket	Johnson Controls Inc.	WC100
US Issued	13/921743	9076316	System And Method For Verifying Associations Between Initiating Devices And Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
US Issued	13/836942	8994525	Method For Testing Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
EP Issued	14729097.7	2973480	Method For Testing Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
DE Issued	14729097.7	2973480	Method For Testing Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
FR Issued	14729097.7	2973480	Method For Testing Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
GB Issued	14729097.7	2973480	Method For Testing Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
US Issued	14729097.7	2973480	Method For Testing Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
EP Issued	14729097.7	2973480	Method For Testing Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
US Issued	13/836831	9076313	Method For Self-Testing Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
EP Issued	14714907.4	2973479	Method For Self-Testing Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
DE Issued	14714907.4	2973479	Method For Self-Testing Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
FR Issued	14714907.4	2973479	Method For Self-Testing Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
GB Issued	14714907.4	2973479	Method For Self-Testing Notification Appliances In Alarm Systems	Johnson Controls Inc.	WC100
US Issued	13/688441	9076319	User Interface Broker For Fire Alarm Systems	Johnson Controls Inc.	WC100
CA Issued	2018018242F	182472	Motion Detector	Johnson Controls Inc.	WC100
EM Issued	005647724-0001	005647724-0001	Motion Detector	Johnson Controls Inc.	WC100
EM Issued	005647724-0002	005647724-0002	Motion Detector	Johnson Controls Inc.	WC100
EM Issued	005647724-0003	005647724-0003	Motion Detector	Johnson Controls Inc.	WC100
WO Published	EP2018/060175		Motion Detector	Johnson Controls Inc.	WC100
AU Published	2018255373		Smoke Detector Availability Test	Johnson Controls Inc.	WC100
EP Published	18718825.5		Smoke Detector Availability Test	Johnson Controls Inc.	WC100
US Pending	16/606306		Smoke Detector Availability Test	Johnson Controls Inc.	WC100
AU Issued	2017235937	2017235937	Smoke Detector Availability Test	Johnson Controls Inc.	WC100
US Issued	2009295953	2009295953	Current Regulated Led Strobe Drive Circuit	Johnson Controls Inc.	WC100
DE Issued	DE200960050008T	60 2009 050 008.2	A Particulate Detector	Johnson Controls Inc.	WC100
CH Issued	05737836.6	1743308	PARTICULATE DETECTOR	Johnson Controls Inc.	WC100
DE Issued	05737836.6	602005015098-6-08	Testing A Fire Detector Sensor	Johnson Controls Inc.	WC100
DE Issued	05737836.6	602005015098-6-08	Testing A Fire Detector Sensor	Johnson Controls Inc.	WC100

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CTRY	STATUS	ARTN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
FR	Issued	05737836.6	1743308	Testing A Fire Detector Sensor	Johnson Controls Inc.	WC100
GB	Issued	05737836.6	1743308	Testing A Fire Detector Sensor	Johnson Controls Inc.	WC100
EP	Issued	05737836.6	1743308	TESTING A FIRE DETECTOR SENSOR	Johnson Controls Inc.	WC100
CH	Issued	05818457.3	1851857	Detection Arrangements	Johnson Controls Inc.	WC100
DE	Issued	05818457.3	1851857	Detection Arrangements	Johnson Controls Inc.	WC100
FR	Issued	05818457.3	1851857	Detection Arrangements	Johnson Controls Inc.	WC100
GB	Issued	05818457.3	1851857	Detection Arrangements	Johnson Controls Inc.	WC100
EP	Issued	05818457.3	1851857	DETECTION ARRANGEMENTS	Johnson Controls Inc.	WC100
US	Issued	15/810449	10713938	Detector System	Johnson Controls Inc.	WC100
US	Issued	15/810460	10614705	Detector System	Johnson Controls Inc.	WC100
AU	Issued	2015101024	2015101024	Unknown Title	Johnson Controls Inc.	WC100
GB	Issued	1101360.4	2487560	Fire Detector Unit	Johnson Controls Inc.	WC100
AU	Issued	2016259176	2016259176	Fire Detector Drift Compensation	Johnson Controls Inc.	WC100
DE	Issued	16721881.7	EP3289574	FIRE DETECTOR DRIFT COMPENSATION	Johnson Controls Inc.	WC100
EP	Issued	16721881.7	EP3289574	FIRE DETECTOR DRIFT COMPENSATION	Johnson Controls Inc.	WC100
FR	Issued	16721881.7	EP3289574	FIRE DETECTOR DRIFT COMPENSATION	Johnson Controls Inc.	WC100
GB	Issued	1507574.0	GB2537940	Fire detector drift compensation	Johnson Controls Inc.	WC100
WO	Published	PCT/GB2016/051249		FIRE DETECTOR DRIFT COMPENSATION	Johnson Controls Inc.	WC100
US	Issued	15/570804	10204508	Fire Detector Drift Compensation	Johnson Controls Inc.	WC100
GB	Published	1217970.1		Distributed fire detection system interface that controls data routing between sub-systems	Johnson Controls Inc.	WC100
US	Issued	14/432703	9514635	Interface Circuit For Distributed Fire Alarm In Loop Configuration	Johnson Controls Inc.	WC100
GB	Issued	1320344.3	2520335	Alarm Panel	Johnson Controls Inc.	WC100
WO	Published	PCT/GB2014/053396		ALARM PANEL	Johnson Controls Inc.	WC100
US	Issued	15/037085	10163310	Alarm Panel	Johnson Controls Inc.	WC100
US	Issued	15/765324	10783771	Smoke Detector Tester	Johnson Controls Inc.	WC100
EP	Issued	06702888.6	1867039	AN ELECTRICAL CIRCUIT, A DETECTION SYSTEM AND AN OPERATING METHOD THEREOF	Johnson Controls Inc.	WC100
DE	Issued	06702888.6	1867039	AN ELECTRICAL CIRCUIT, A DETECTION SYSTEM AND AN OPERATING METHOD THEREOF	Johnson Controls Inc.	WC100
FR	Issued	06702888.6	1867039	AN ELECTRICAL CIRCUIT, A DETECTION SYSTEM AND AN OPERATING METHOD THEREOF	Johnson Controls Inc.	WC100
GB	Issued	06702888.6	1867039	AN ELECTRICAL CIRCUIT, A DETECTION SYSTEM AND AN OPERATING METHOD THEREOF	Johnson Controls Inc.	WC100
US	Issued	11/888611	7633386	Amplifier for multi-use of single environmental sensor	Johnson Controls Inc.	WC100
CH	Issued	02726997.6	1350235	A FIRE DETECTOR	Johnson Controls Inc.	WC100
DE	Issued	02726997.6	60202258	A FIRE DETECTOR	Johnson Controls Inc.	WC100
GB	Issued	02726997.6	1350235	A FIRE DETECTOR	Johnson Controls Inc.	WC100
EP	Issued	02726997.6	1350235	A FIRE DETECTOR	Johnson Controls Inc.	WC100
EP	Issued	19163213.2	EP3557551	Indoor Positioning System For Fire Alarm System	Johnson Controls Inc.	WC100
US	Issued	15/953627	10565859	Indoor Positioning System For Fire Alarm System	Johnson Controls Inc.	WC100
US	Published	16/733821		Indoor Positioning System For Fire Alarm System	Johnson Controls Inc.	WC100
US	Issued	10/341986	7212675	Method Of Finding Orphan Blocks In Block Based Image Compression Schemes	Johnson Controls Inc.	WC100
CA	Issued	2455214	2455214	Method Of Finding Orphan Blocks In Block Based Image Compression Schemes	Johnson Controls Inc.	WC100
CA	Issued	2441106	2441106	Digital Video Recording System	Johnson Controls Inc.	WC100
DE	Issued	02726614.7	60246467.6	DIGITAL VIDEO RECORDING	Johnson Controls Inc.	WC100
FR	Issued	02726614.7	1396149	DIGITAL VIDEO RECORDING	Johnson Controls Inc.	WC100
GB	Issued	02726614.7	1396149	DIGITAL VIDEO RECORDING	Johnson Controls Inc.	WC100
US	Allowed	16/004766		Smoke Sensor With Test Switch And Method Of Operation Thereof	Johnson Controls Inc.	WC100

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CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
EP	Published	19167959.6		System And Method For Providing Power To Building Management System	Johnson Controls Inc.	WC100
US	Published	16/376499		Components Using Inductive Coupling	Johnson Controls Inc.	WC100
US	Published	16/376499		System And Method For Providing Power To Building Management System	Johnson Controls Inc.	WC100
EP	Pending	19762276.4		Components Using Inductive Coupling	Johnson Controls Inc.	WC100
US	Published	16/111981		System and Method for Controlling Building Management Systems for Scheduled Events	Johnson Controls Inc.	WC100
WO	Published	US2019/046683		System and Method for Controlling Building Management Systems for Scheduled Events	Johnson Controls Inc.	WC100
EP	Pending	19759855.0		System and Method for Controlling Building Management Systems for Scheduled Events	Johnson Controls Inc.	WC100
US	Issued	16/111991	10635057	System and method for detecting room occupancy with beamforming	Johnson Controls Inc.	WC100
WO	Pending	US2019/046689		Microphone arrays	Johnson Controls Inc.	WC100
US	Published	16/111998		System and Method for Detecting Room Occupancy with Beamforming	Johnson Controls Inc.	WC100
US	Published	16/112007		Building Management System with Blockchain Ledger	Johnson Controls Inc.	WC100
US	Issued	16/112014	10586436	System and Method for Tracking Locations of Students within School Buildings	Johnson Controls Inc.	WC100
US	Issued	16/120041	10964145	Microphone Arrays	Johnson Controls Inc.	WC100
US	Published	16/112030		System and method for tracking students	Johnson Controls Inc.	WC100
US	Published	16/112030		Access Control System Using Blockchain Ledger	Johnson Controls Inc.	WC100
US	Published	16/112030		Event Engine for Building Management System Using Distributed Devices and Blockchain Ledger	Johnson Controls Inc.	WC100
EP	Published	16/117030		SYSTEMS AND METHODS OF ALARM TRIGGERED EQUIPMENT VERIFICATION	Johnson Controls Inc.	WC100
EP	Published	19215497.9		USING DRONE DEPLOYMENT OF SENSORS	Johnson Controls Inc.	WC100
US	Issued	16/217242	US10876755	Systems and Methods of Providing Occupant Feedback to Enable Space Optimization within the Building	Johnson Controls Inc.	WC100
US	Pending	17/135107		Systems and methods of providing occupant feedback to enable space optimization within the building	Johnson Controls Inc.	WC100
US	Published	16/665837		SYSTEMS AND METHODS OF PROVIDING OCCUPANT FEEDBACK TO ENABLE SPACE OPTIMIZATION WITHIN THE BUILDING	Johnson Controls Inc.	WC100
EP	Pending	19797384.5		SYSTEMS AND METHODS OF ENABLING BLOCKCHAIN-BASED BUILDING AUTOMATION SYSTEMS	Johnson Controls Inc.	WC100
EP	Published	20200151300		SYSTEMS AND METHODS OF ENABLING BLOCKCHAIN-BASED BUILDING AUTOMATION SYSTEMS	Johnson Controls Inc.	WC100
US	Issued	16/735322	1102606782	ULTRA-WIDEBAND (UWB) BEACON AND TAG FOR INDOOR POSITIONING, AND CORRESPONDING POSITIONING METHOD	Johnson Controls Inc.	WC100
US	Pending	17/314183		Power Efficient Ultra-Wideband (UWB) Tag For Indoor Positioning	Johnson Controls Inc.	WC100
US	Pending	16/904307		Rich Marker for Mapping Applications	Johnson Controls Inc.	WC100
US	Pending	16/905598		Graphical User Interface for Time Series Data	Johnson Controls Inc.	WC100
US	Pending	16/855740		Barcode-Based License Configuration for Air-Gapped Systems	Johnson Controls Inc.	WC100
US	Pending	16/752410		Automating Inspection Using Neural Network	Johnson Controls Inc.	WC100
US	Pending	17/194963		Video Surveillance system for detecting if surfaces have been sanitized	Johnson Controls Inc.	WC100
US	Pending	17/210276		Systems and Methods of Enforcing Dynamic Thresholds of Social Distancing Rules	Johnson Controls Inc.	WC100
US	Pending	17/216312		Automatic Switching For Frictionless Access Control	Johnson Controls Inc.	WC100
US	Pending	17/203088		Systems and Methods of Detecting Mask Usage	Johnson Controls Inc.	WC100
US	Pending	17/215703		Systems And Methods Of Access Control With Hand Sanitation	Johnson Controls Inc.	WC100
CA	Issued	2459971	2459971	SYSTEM AND METHOD FOR COMMUNICATING DATA IN A VIDEO SYSTEM	Johnson Controls Inc.	WC100
CN	Issued	200410031564.8	ZL200410031564.8	System and method of communicating data in video system	Johnson Controls Inc.	WC100
DE	Issued	04005257.3	1463326	System And Method For Communicating Data In A Video System	Johnson Controls Inc.	WC100
FR	Issued	04005257.3	1463326	System And Method For Communicating Data In A Video System	Johnson Controls Inc.	WC100
GB	Issued	04005257.3	1463326	System And Method For Communicating Data In A Video System	Johnson Controls Inc.	WC100

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CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
HK	Issued	05105830.8	1073404	SYSTEM METHOD FOR COMMUNICATING DATA IN A VIDEO SYSTEM	Johnson Controls Inc.	WC100
SE	Issued	04005257.3	1463326	System And Method For Communicating Data In A Video System	Johnson Controls Inc.	WC100
US	Issued	10/395296	7573500	System and method for communicating data in a video system	Johnson Controls Inc.	WC100
CN	Issued	200510051996.X	ZL200510051996.X	Motion Targeting System And Method	Johnson Controls Inc.	WC100
DE	Issued	05002738.2	602005005879.6	Motion Targeting System And Method	Johnson Controls Inc.	WC100
FR	Issued	05002738.2	1566781	Motion Targeting System And Method	Johnson Controls Inc.	WC100
GB	Issued	05002738.2	1566781	Motion Targeting System And Method	Johnson Controls Inc.	WC100
HK	Issued	06101175.9	HK1081365	Motion Targeting System And Method	Johnson Controls Inc.	WC100
SE	Issued	05002738.2	1566781	Motion Targeting System And Method	Johnson Controls Inc.	WC100
CA	Issued	2460254	2460254	Polarity Correction Circuit And System Incorporating The Same	Johnson Controls Inc.	WC100
CN	Issued	200410031563.3	ZL200410031563.3	Polarity correction circuit and system incorporating the same	Johnson Controls Inc.	WC100
HK	Issued	05107468.3	1075342	Polarity Correction Circuit And System Incorporating The Same	Johnson Controls Inc.	WC100
US	Issued	10/395867	7110239	Polarity Correction Circuit And System Incorporating The Same	Johnson Controls Inc.	WC100
US	Issued	11/505007	7623157	Polarity correction circuit and system incorporating same	Johnson Controls Inc.	WC100
CA	Issued	2465045	2465045	Video User Interface System And Method	Johnson Controls Inc.	WC100
DE	Issued	04010139.6	EP1515546	Video User Interface System And Method	Johnson Controls Inc.	WC100
EP	Issued	04010139.6	EP1515546	Video User Interface System And Method	Johnson Controls Inc.	WC100
ES	Issued	04010139.6	EP1515546	Video User Interface System And Method	Johnson Controls Inc.	WC100
FR	Issued	04010139.6	EP1515546	Video User Interface System And Method	Johnson Controls Inc.	WC100
GB	Issued	04010139.6	EP1515546	Video User Interface System And Method	Johnson Controls Inc.	WC100
HK	Published	05108171.9		Video User Interface System And Method	Johnson Controls Inc.	WC100
US	Issued	13/946279	9955073	Video User Interface System And Method	Johnson Controls Inc.	WC100
CA	Issued		2465087	IMAGING SYSTEM AND METHOD FOR DISPLAYING AND/OR RECORDING UNDISTORTED WIDE-ANGLE IMAGE DATA	Johnson Controls Inc.	WC100
US	Issued	08/568402	672421	Video surveillance system with pilot and slave cameras	Johnson Controls Inc.	WC100
CA	Issued	2250280	2250280	Distributed Video Data Storage In Video Surveillance System	Johnson Controls Inc.	WC100
BR	Issued	D15900063-5	D15900063-5	Video Surveillance Camera Enclosure/K/A Video Surveillance Camera With Enhanced Outdoor Enclosure And Environmental Controls	Johnson Controls Inc.	WC100
DE	Issued	49812415.0	49812415.0	Enhanced Outdoor Enclosure And Environmental Controls	Johnson Controls Inc.	WC100
FR	Issued	990302	990302	Video Surveillance Camera Enclosure/K/A Video Surveillance Camera With Enhanced Outdoor Enclosure And Environmental Controls	Johnson Controls Inc.	WC100
GB	Issued	2080165	2080165	Enhanced Outdoor Enclosure And Environmental Controls	Johnson Controls Inc.	WC100
SE	Issued	99-0099	65344	Video Surveillance Camera Enclosure/K/A Video Surveillance Camera With Enhanced Outdoor Enclosure And Environmental Controls	Johnson Controls Inc.	WC100
US	Published	14/870341		Enhanced Outdoor Enclosure And Environmental Controls	Johnson Controls Inc.	WC100
US	Published	14/870326		Profiling Based On Drift Analysis	Johnson Controls Inc.	WC100
US	Issued	14/870404	10296979	Sensor Based System And Method For Determining Insurance Claim Filing Physical Proximity	Johnson Controls Inc.	WC100
US	Allowed	16/374271		Sensor Based System And Method For Augmenting Insurance Claim Filing	Johnson Controls Inc.	WC100
US	Issued	14/870463	10902524	Sensor Based System And Method For Augmenting Underwriting Of Insurance Policies	Johnson Controls Inc.	WC100
US	Pending	17/155420		Sensor Based System And Method For Augmenting Underwriting Of Insurance Policies	Johnson Controls Inc.	WC100
US	Issued	14/870493	10425702	Sensor Packs That Are Configured Based On Business Application	Johnson Controls Inc.	WC100
US	Issued	14/870551	10354332	Sensor Based System And Method For Drift Analysis To Predict Equipment Failure	Johnson Controls Inc.	WC100
US	Published	14/870621		System And Method For Determining Risk Profile, Adjusting Insurance Premiums And Automatically Collecting Premiums Based On Sensor Data	Johnson Controls Inc.	WC100
US	Issued	15/071464	10593177	Method And Apparatus For Tiered Analytics In A Multi-Sensor Environment	Johnson Controls Inc.	WC100
US	Allowed	16/726067	11037420	Method and Apparatus for Tiered Analytics in a Multi-Sensor Environment	Johnson Controls Inc.	WC100

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CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTRY ID
EP	Published	17767496.7		Method And Apparatus For Tiered Analytics In A Multi-Sensor Environment	Johnson Controls Inc.	WC100
US	Issued	15/138571	10685542	System And Method For Monitoring A Premises Based On Parsed Codec Data	Johnson Controls Inc.	WC100
WO	Published	PCT/US2017/028792		System And Method For Monitoring A Premises Based On Parsed Codec Data	Johnson Controls Inc.	WC100
US	Issued	15/173795	10810676	Method And Apparatus For Increasing The Density Of Data Surrounding An Event	Johnson Controls Inc.	WC100
US	Published	17/071722		Method And Apparatus For Increasing The Density Of Data Surrounding An Event	Johnson Controls Inc.	WC100
US	Issued	15/147093	10552914	Method And Apparatus For Evaluating Risk Based On Sensor Monitoring	Johnson Controls Inc.	WC100
US	Published	16/739688		Method And Apparatus For Evaluating Risk Based On Sensor Monitoring	Johnson Controls Inc.	WC100
HK	Issued	09/111593.9	1134580	Video Surveillance System Having Communication Acknowledgement Nod	Johnson Controls Inc.	WC100
US	Issued	11/947943	8947526	Video surveillance system having communication acknowledgement nod	Johnson Controls Inc.	WC100
AU	Issued	2007332837	2007332837	Video Surveillance System Having Communication Acknowledgement Nod	Johnson Controls Inc.	WC100
CA	Issued	2671809	2671809	Video Surveillance System Having Communication Acknowledgement Nod	Johnson Controls Inc.	WC100
CN	Issued	200780045358.4	ZL200780045358.4	Video Surveillance System Having Communication Acknowledgement Nod	Johnson Controls Inc.	WC100
JP	Issued	2009-540303	5616635	Video surveillance system with communication status confirmation signal	Johnson Controls Inc.	WC100
US	Issued	11/950711	8786701	Method and apparatus for video surveillance system field alignment	Johnson Controls Inc.	WC100
AU	Issued	2007332834	2007332834	Method And Apparatus For Video Surveillance System Field Alignment	Johnson Controls Inc.	WC100
CA	Issued	2671807	2671807	Method And Apparatus For Video Surveillance System Field Alignment	Johnson Controls Inc.	WC100
CN	Issued	200780045368.8	200780045368.8	Method and system for video surveillance system motor overcurrent protection	Johnson Controls Inc.	WC100
HK	Issued	10107176.9	1140847	Method And Apparatus For Video Surveillance System Field Alignment	Johnson Controls Inc.	WC100
EP	Issued	07867655.8	2102836	Method And Apparatus For Video Surveillance System Field Alignment	Johnson Controls Inc.	WC100
DE	Pending	602007047021.8		Method And Apparatus For Video Surveillance System Field Alignment	Johnson Controls Inc.	WC100
FR	Issued	07867655.8	2102836	Method And Apparatus For Video Surveillance System Field Alignment	Johnson Controls Inc.	WC100
GB	Issued	07867655.8	2102836	Method And Apparatus For Video Surveillance System Field Alignment	Johnson Controls Inc.	WC100
US	Issued	11/950809	7915849	Method and system for low speed control of a video surveillance system motor	Johnson Controls Inc.	WC100
AU	Issued	2007332859	2007332859	Method And System For Low Speed Control Of A Video Surveillance System Motor	Johnson Controls Inc.	WC100
CA	Issued	2671803	2671803	Method And System For Low Speed Control Of A Video Surveillance System Motor	Johnson Controls Inc.	WC100
CN	Issued	200780045458.7	ZL200780045458.7	Method And System For Low Speed Control Of A Video Surveillance System Motor	Johnson Controls Inc.	WC100
HK	Issued	10100639.5	1137068	Method And System For Low Speed Control Of A Video Surveillance System Motor	Johnson Controls Inc.	WC100
EP	Issued	07867654.1	EP2135139 B1	Method And System For Low Speed Control Of A Video Surveillance System Motor	Johnson Controls Inc.	WC100
DE	Issued	20070867654	2135139	Method And System For Low Speed Control Of A Video Surveillance System Motor	Johnson Controls Inc.	WC100
FR	Issued	07867654.1	2135139	Method And System For Low Speed Control Of A Video Surveillance System Motor	Johnson Controls Inc.	WC100
GB	Issued	07867654.1	2135139	Method And System For Low Speed Control Of A Video Surveillance System Motor	Johnson Controls Inc.	WC100
US	Issued	11/951652	8854468	Method and system for video surveillance system motor overcurrent protection	Johnson Controls Inc.	WC100
US	Issued	14/468501	10038833	Method And System For Video Surveillance System Motor Overcurrent Protection	Johnson Controls Inc.	WC100
AU	Issued	2007332849	2007332849	Method And System For Video Surveillance System Motor Overcurrent Protection	Johnson Controls Inc.	WC100
CA	Issued	2672182	2672182	Method And System For Video Surveillance System Motor Overcurrent Protection	Johnson Controls Inc.	WC100
CN	Issued	200780045288.2	ZL200780045288.2	Method And System For Video Surveillance System Motor Overcurrent Protection	Johnson Controls Inc.	WC100

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CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
EP	Issued	07862606.6	EP2102834	Method And System For Video Surveillance System Motor Overcurrent Protection	Johnson Controls Inc.	WC100
DE	Issued	07862606.6	EP2102834	Method And System For Video Surveillance System Motor Overcurrent Protection	Johnson Controls Inc.	WC100
FR	Issued	07862606.6	EP2102834	Method And System For Video Surveillance System Motor Overcurrent Protection	Johnson Controls Inc.	WC100
GB	Issued	07862606.6	EP2102834	Method And System For Video Surveillance System Motor Overcurrent Protection	Johnson Controls Inc.	WC100
HK	Issued	09111591.1	1134170	Method And System For Video Surveillance System Motor Overcurrent Protection	Johnson Controls Inc.	WC100
AU	Issued	2009226135	2009226135	Rapid Localized Language Development For Video Matrix Switching System	Johnson Controls Inc.	WC100
CA	Issued	2716528	2716528	Rapid Localized Language Development For Video Matrix Switching System	Johnson Controls Inc.	WC100
US	Pending	16/906308		Interactive Local Information Interface	Johnson Controls Inc.	WC100
US	Pending	63/151363		Security Panel with Glass Break Detection	Johnson Controls Inc.	WC100
US	Pending	29/771123		Display Screen with Icon	Johnson Controls Inc.	WC100
US	Pending	29/771125		Interactive Multimedia Device	Johnson Controls Inc.	WC100
DE	Issued	03779516.8	1563686	Method And System For Tracking And Behavioral Monitoring Of Multiple Objects Moving Through Multiple Fields-Of-View	Johnson Controls Inc.	WC100
FR	Issued	03779516.8	1563686	Method And System For Tracking And Behavioral Monitoring Of Multiple Objects Moving Through Multiple Fields-Of-View	Johnson Controls Inc.	WC100
GB	Issued	03779516.8	1563686	Method And System For Tracking And Behavioral Monitoring Of Multiple Objects Moving Through Multiple Fields-Of-View	Johnson Controls Inc.	WC100
SE	Issued	03779516.8	1563686	Method And System For Tracking And Behavioral Monitoring Of Multiple Objects Moving Through Multiple Fields-Of-View	Johnson Controls Inc.	WC100
US	Issued	10/706850	8547437	Method And System For Tracking And Behavioral Monitoring Of Multiple Objects Moving Through Multiple Fields-Of-View	Johnson Controls Inc.	WC100
AU	Issued	2003285191	2003285191	Method And System For Tracking And Behavioral Monitoring Of Multiple Objects Moving Through Multiple Fields-Of-View	Johnson Controls Inc.	WC100
CA	Issued	2505831	2505831	Method And System For Tracking And Behavioral Monitoring Of Multiple Objects Moving Through Multiple Fields-Of-View	Johnson Controls Inc.	WC100
EP	Issued	03779516.8	1563686	Method And System For Tracking And Behavioral Monitoring Of Multiple Objects Moving Through Multiple Fields-Of-View	Johnson Controls Inc.	WC100
CA	Issued	2740276	2740276	METHOD AND APPARATUS FOR COMPUTERIZED IMAGE BACKGROUND ANALYSIS	Johnson Controls Inc.	WC100
DE	Issued	04788655.1	1665127	Method And Apparatus For Computerized Image Background Analysis	Johnson Controls Inc.	WC100
FR	Issued	04788655.1	1665127	Method And Apparatus For Computerized Image Background Analysis	Johnson Controls Inc.	WC100
GB	Issued	04788655.1	1665127	Method And Apparatus For Computerized Image Background Analysis	Johnson Controls Inc.	WC100
US	Issued	10/659454	7221775	Method and apparatus for computerized image background analysis	Johnson Controls Inc.	WC100
US	Issued	11/717580	7460685	Method and apparatus for computerized image background analysis	Johnson Controls Inc.	WC100
CA	Issued	2538294	2538294	METHOD AND APPARATUS FOR COMPUTERIZED IMAGE BACKGROUND ANALYSIS	Johnson Controls Inc.	WC100
EP	Issued	04788655.1	1665127	METHOD AND APPARATUS FOR COMPUTERIZED IMAGE BACKGROUND ANALYSIS	Johnson Controls Inc.	WC100
DE	Issued	04816177.2	1668921	Relationships Among Multiple Image Sensors	Johnson Controls Inc.	WC100
FR	Issued	04816177.2	1668921	Relationships Among Multiple Image Sensors	Johnson Controls Inc.	WC100
GB	Issued	04816177.2	1668921	Relationships Among Multiple Image Sensors	Johnson Controls Inc.	WC100
US	Issued	10/660955	7286157	Computerized Method And Apparatus For Determining Field-Of-View	Johnson Controls Inc.	WC100
CA	Issued	2538301	2538301	Computerized Method And Apparatus For Determining Field-Of-View	Johnson Controls Inc.	WC100
EP	Issued	04816177.2	1668921	Relationships Among Multiple Image Sensors	Johnson Controls Inc.	WC100

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CTRY	STATUS	APPLN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
JP	Issued	2006-526281	4673849	Computerized method and apparatus for determining a visual field relationship between a plurality of image sensors.	Johnson Controls Inc.	WC100
DE	Issued	04785394.0	1676239	Method Of Counting Objects In A Monitored Environment And Apparatus For The Same	Johnson Controls Inc.	WC100
FR	Issued	04785394.0	1676239	Method Of Counting Objects In A Monitored Environment And Apparatus For The Same	Johnson Controls Inc.	WC100
GB	Issued	04785394.0	1676239	Method Of Counting Objects In A Monitored Environment And Apparatus For The Same	Johnson Controls Inc.	WC100
SE	Issued	04785394.0	1676239	Method Of Counting Objects In A Monitored Environment And Apparatus For The Same	Johnson Controls Inc.	WC100
US	Issued	10/683483	7346187	Method Of Counting Objects In A Monitored Environment And Apparatus For The Same	Johnson Controls Inc.	WC100
AU	Issued	2004282903	2004282903	Method Of Counting Objects In A Monitored Environment And Apparatus For The Same	Johnson Controls Inc.	WC100
CA	Issued	2541436	2541436	Method Of Counting Objects In A Monitored Environment And Apparatus For The Same	Johnson Controls Inc.	WC100
EP	Issued	04785394.0	1676239	Method Of Counting Objects In A Monitored Environment And Apparatus For The Same	Johnson Controls Inc.	WC100
US	Issued	10/683562	7280673	System And Method For Searching For Changes In Surveillance Video	Johnson Controls Inc.	WC100
AU	Issued	2004282902	2004282902	System And Method For Searching For Changes In Surveillance Video	Johnson Controls Inc.	WC100
CA	Issued	2541437	2541437	System And Method For Searching For Changes In Surveillance Video	Johnson Controls Inc.	WC100
JP	Issued	2006-534358	4966012	System And Method For Searching For Changes In Surveillance Video	Johnson Controls Inc.	WC100
AU	Issued	2011201215	2011201215	Intelligent Camera Selection And Object Tracking	Johnson Controls Inc.	WC100
DE	Issued	06849739.5	1872345	Intelligent Camera Selection And Object Tracking	Johnson Controls Inc.	WC100
DE	Issued	11000969.3	2328131	Intelligent Camera Selection And Object Tracking	Johnson Controls Inc.	WC100
FR	Issued	06849739.5	1872345	Intelligent Camera Selection And Object Tracking	Johnson Controls Inc.	WC100
FR	Issued	11000969.3	2328131	Intelligent Camera Selection And Object Tracking	Johnson Controls Inc.	WC100
GB	Issued	06849739.5	1872345	Intelligent Camera Selection And Object Tracking	Johnson Controls Inc.	WC100
GB	Issued	11000969.3	2328131	Intelligent Camera Selection And Object Tracking	Johnson Controls Inc.	WC100
SE	Issued	06849739.5	1872345	Intelligent Camera Selection And Object Tracking	Johnson Controls Inc.	WC100
SE	Issued	11000969.3	2328131	Intelligent Camera Selection And Object Tracking	Johnson Controls Inc.	WC100
US	Issued	11/7388759	8174572	Intelligent camera selection and object tracking	Johnson Controls Inc.	WC100
US	Issued	13/426815	8502868	Intelligent camera selection and object tracking	Johnson Controls Inc.	WC100
AU	Issued	2006338248	2006338248	Intelligent camera selection and object tracking	Johnson Controls Inc.	WC100
CA	Issued	2601477	2601477	INTELLIGENT CAMERA SELECTION AND OBJECT TRACKING	Johnson Controls Inc.	WC100
DE	Issued	06771712.4	1943628	Object Tracking And Alerts	Johnson Controls Inc.	WC100
FR	Issued	06771712.4	1943628	Object Tracking And Alerts	Johnson Controls Inc.	WC100
GB	Issued	06771712.4	1943628	Object Tracking And Alerts	Johnson Controls Inc.	WC100
SE	Issued	06771712.4	1943628	Object Tracking And Alerts	Johnson Controls Inc.	WC100
US	Issued	11/443500	9036028	Object Tracking and alerts	Johnson Controls Inc.	WC100
US	Issued	14/687358	9407878	Object Tracking and alerts	Johnson Controls Inc.	WC100
US	Issued	15/198848	9881216	Object Tracking And Alerts	Johnson Controls Inc.	WC100
AU	Issued	2006287940	2006287940	Continuous Object Tracking Using Video And Rfid	Johnson Controls Inc.	WC100
CA	Issued	2620630	2620630	OBJECT TRACKING AND ALERTS	Johnson Controls Inc.	WC100
EP	Issued	06771712.4	1943628	OBJECT TRACKING AND ALERTS	Johnson Controls Inc.	WC100
CN	Issued	20141008064.1	103824407	Systems and methods for distributed monitoring of remote sites	Johnson Controls Inc.	WC100
DE	Issued	07794745.5	2030180	Systems And Methods For Distributed Monitoring Of Remote Sites	Johnson Controls Inc.	WC100
DE	Issued	13150935.8	2581888	Systems And Methods For Distributed Monitoring Of Remote Sites	Johnson Controls Inc.	WC100
EP	Issued	13150935.8	2581888	Systems And Methods For Distributed Monitoring Of Remote Sites	Johnson Controls Inc.	WC100
FR	Issued	07794745.5	2030180	Systems And Methods For Distributed Monitoring Of Remote Sites	Johnson Controls Inc.	WC100
FR	Issued	13150935.8	2581888	Systems And Methods For Distributed Monitoring Of Remote Sites	Johnson Controls Inc.	WC100
GB	Issued	07794745.5	2030180	Systems And Methods For Distributed Monitoring Of Remote Sites	Johnson Controls Inc.	WC100

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CTRY STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
GB Issued	13150935.8	2581888	Systems And Methods For Distributed Monitoring Of Remote Sites	Johnson Controls Inc.	WC100
SE Issued	07794745.5	2030180	Systems And Methods For Distributed Monitoring Of Remote Sites	Johnson Controls Inc.	WC100
SE Issued	13150935.8	2581888	Systems And Methods For Distributed Monitoring Of Remote Sites	Johnson Controls Inc.	WC100
US Issued	11/445923	7671128	Systems and methods for distributed monitoring of remote sites	Johnson Controls Inc.	WC100
US Issued	12/690220	8013729	Systems And Methods For Distributed Monitoring Of Remote Sites	Johnson Controls Inc.	WC100
CN Issued	200780028664.7		Systems And Methods For Distributed Monitoring Of Remote Sites	Johnson Controls Inc.	WC100
EP Issued	07794745.5	2030180	Systems And Methods For Distributed Monitoring Of Remote Sites	Johnson Controls Inc.	WC100
JP Issued	2009-513162	5508848	System and method for distributed monitoring of remote sites	Johnson Controls Inc.	WC100
US Issued	11/44570	7825792	Systems and methods for distributed monitoring of remote sites	Johnson Controls Inc.	WC100
DE Issued	11729335.7	2564380	METHOD AND SYSTEM FOR SECURITY SYSTEM TAMPERING DETECTION	Johnson Controls Inc.	WC100
DE Issued	15194368.5	602011063129.2	Method And System For Security System Tampering Detection	Johnson Controls Inc.	WC100
EP Issued	15194368.5	3002741	Method And System For Security System Tampering Detection	Johnson Controls Inc.	WC100
FR Issued	11729335.7	2564380	METHOD AND SYSTEM FOR SECURITY SYSTEM TAMPERING DETECTION	Johnson Controls Inc.	WC100
FR Issued	15194368.5	3002741	Method And System For Security System Tampering Detection	Johnson Controls Inc.	WC100
GB Issued	11729335.7	2564380	METHOD AND SYSTEM FOR SECURITY SYSTEM TAMPERING DETECTION	Johnson Controls Inc.	WC100
GB Issued	15194368.5	EP3002741	Method And System For Security System Tampering Detection	Johnson Controls Inc.	WC100
HK Issued	13107615.5	1180436	Method And System For Security System Tampering Detection	Johnson Controls Inc.	WC100
US Issued	14/018624	9286778	Method And System For Security System Tampering Detection	Johnson Controls Inc.	WC100
US Issued	12/767132	8558889	Method And System For Security System Tampering Detection	Johnson Controls Inc.	WC100
AU Issued	2011247121	2011247121	Method and system for security system tampering detection	Johnson Controls Inc.	WC100
CA Issued	2795896	2795896	METHOD AND SYSTEM FOR SECURITY SYSTEM TAMPERING DETECTION	Johnson Controls Inc.	WC100
CN Issued	201180020956.2	21201180020956.2	Method and system for security system tampering detection	Johnson Controls Inc.	WC100
EP Issued	11729335.7	2564380	METHOD AND SYSTEM FOR SECURITY SYSTEM TAMPERING DETECTION	Johnson Controls Inc.	WC100
DE Issued	12717457.1	60 2012 060 899.4	Method And System For Load Balancing Between A Video Server And Client	Johnson Controls Inc.	WC100
FR Issued	12717457.1	EP2700241	Method And System For Load Balancing Between A Video Server And Client	Johnson Controls Inc.	WC100
GB Issued	12717457.1	EP2700241	Method And System For Load Balancing Between A Video Server And Client	Johnson Controls Inc.	WC100
US Issued	13/089503	9258625	Method And System For Load Balancing Between A Video Server And Client	Johnson Controls Inc.	WC100
CN Issued	201280026259.2	103597844	Method and system for load balancing between video server and client	Johnson Controls Inc.	WC100
EP Issued	12717457.1	EP2700241	Method And System For Load Balancing Between A Video Server And Client	Johnson Controls Inc.	WC100
HK Issued	13113818.8	HK1186610	Method And System For Converting Privacy Zone Planar Images To Their Corresponding Pan/Tilt Coordinates	Johnson Controls Inc.	WC100
US Issued	12/909502	9794518	Method And System For Converting Privacy Zone Planar Images To Their Corresponding Pan/Tilt Coordinates	Johnson Controls Inc.	WC100
AU Issued	2011318374	2011318374	Method And System For Converting Privacy Zone Planar Images To Their Corresponding Pan/Tilt Coordinates	Johnson Controls Inc.	WC100
CA Issued	2815133	2815133	Method And System For Converting Privacy Zone Planar Images To Their Corresponding Pan/Tilt Coordinates	Johnson Controls Inc.	WC100
CN Issued	201180050815.5	103270752	METHOD AND SYSTEM FOR CONVERTING PRIVACY ZONE PLANAR IMAGES TO THEIR CORRESPONDING PAN/TILT COORDINATES	Johnson Controls Inc.	WC100
EP Published	12160005.0		Method And System For Converting Privacy Zone Planar Images To Their Corresponding Pan/Tilt Coordinates	Johnson Controls Inc.	WC100
US Issued	13/049527	8600112	Video Based Matching And Tracking	Johnson Controls Inc.	WC100
US Issued	14/093917	9886634	Video based matching and tracking by analyzing one or more image abstractions	Johnson Controls Inc.	WC100
AU Issued	2011235937	2011235937	Method And Apparatus For Automatically Resolving Conflicting Devices On A Network	Johnson Controls Inc.	WC100
AU Issued	2013204397	2013204397	Method And Apparatus For Automatically Resolving Conflicting Devices On A Network	Johnson Controls Inc.	WC100
EP Published	13197007.1		Method And Apparatus For Automatically Resolving Conflicting Devices On A Network	Johnson Controls Inc.	WC100
US Issued	13/715389	9397520	Intelligent Adaptive Power Supply	Johnson Controls Inc.	WC100
DE Issued	13701698.6	602013074272.3	Method And System For Monitoring Portal To Detect Entry And Exit	Johnson Controls Inc.	WC100
FR Issued	13701698.6	2812889	Method And System For Monitoring Portal To Detect Entry And Exit	Johnson Controls Inc.	WC100
GB Issued	13701698.6	2812889	Method And System For Monitoring Portal To Detect Entry And Exit	Johnson Controls Inc.	WC100

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CTRY	STATUS	ATRN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
US	Published	13/367770		Method And System For Monitoring Portal To Detect Entry And Exit	Johnson Controls Inc.	WC100
EP	Issued	13/701698.6	2812889	Method And System For Monitoring Portal To Detect Entry And Exit	Johnson Controls Inc.	WC100
US	Published	13/645820		Access Control Reader With Audio Spatial Filtering	Johnson Controls Inc.	WC100
US	Published	13/661572		Transcoding Mixing And Distribution System And Method For A Video Security System	Johnson Controls Inc.	WC100
US	Allowed	15/972651		Transcoding mixing and distribution system and method for a video security system	Johnson Controls Inc.	WC100
AR	Issued	2013P102944	AR 092176	Method and system for detecting and clearing camera bubble misting	Johnson Controls Inc.	WC100
US	Issued	13/591290	9329457	Method And System For Detecting And Clearing Camera Bubble Misting	Johnson Controls Inc.	WC100
EP	Issued	13/56246.8	EP2888627	Method And System For Detecting And Clearing Misting Of The Bubble In A Security Camera	Johnson Controls Inc.	WC100
CN	Issued	201310248045.6	ZL201310248045.6	Use the security system and method for wireless adapter and Poe camera	Johnson Controls Inc.	WC100
US	Issued	13/530863	9774459	Security System And Method Using Wireless Adapters And Poe Cameras	Johnson Controls Inc.	WC100
AR	Issued	P130103733	AR 093015	SISTEMA DE CAMARAS DE SEGURIDAD Y METODO PARA ELIMINAR ABERRACIONES DE VIDEO PROVENIENTES DE LA EXCESIVA ILUMINACION INFRARROJA	Johnson Controls Inc.	WC100
US	Issued	13/661298	9264596	Security Camera System And Method For Eliminating Video Aberrations From Excessive Ir Illumination	Johnson Controls Inc.	WC100
US	Issued	13/740973	9552135	Security System And Method With Multistate Alert User Interface	Johnson Controls Inc.	WC100
CN	Published	201210434596.7		Access Control Reader Enabling Remote Applications	Johnson Controls Inc.	WC100
CN	Published	201910186457.9		Access Control Reader Enabling Remote Applications	Johnson Controls Inc.	WC100
DE	Issued	13/765589.0	DE 607013065717.3	Access Control Reader Enabling Remote Applications	Johnson Controls Inc.	WC100
FR	Issued	13/765589.0	EP2898482	Access Control Reader Enabling Remote Applications	Johnson Controls Inc.	WC100
GB	Issued	13/765589.0	EP2898482	Access Control Reader Enabling Remote Applications	Johnson Controls Inc.	WC100
US	Issued	13/622182	8888002	Access Control Reader Enabling Remote Applications	Johnson Controls Inc.	WC100
US	Issued	14/515907	9390573	Access Control Reader Enabling Remote Applications	Johnson Controls Inc.	WC100
EP	Issued	13/765589.0	EP2898482	Access Control Reader Enabling Remote Applications	Johnson Controls Inc.	WC100
US	Issued	14/018905	9075288	Pan, Tilt, Zoom Camera System For Cooling Electronics	Johnson Controls Inc.	WC100
US	Issued	13/712591	9602778	Security Video System Using Customer Regions For Monitoring Point Of Sale Areas	Johnson Controls Inc.	WC100
WO	Published	PCT/US2013/073838		Security Video System Using Customer Regions For Monitoring Point Of Sale Areas	Johnson Controls Inc.	WC100
US	Issued	13/847297	9191383	Networked Security System With Translating Router	Johnson Controls Inc.	WC100
US	Issued	13/768210	10372016	Method And System For Assisting Security Camera Focusing	Johnson Controls Inc.	WC100
WO	Published	PCT/US2013/075985		Method And System For Assisting Security Camera Focusing	Johnson Controls Inc.	WC100
US	Issued	13/761564	9019069	Configuration Of Security Devices Using Spatially-Encoded Optical Machine-Readable Indicia	Johnson Controls Inc.	WC100
US	Issued	14/666429	9787535	Configuration Of Security Devices Using Spatially-Encoded Optical Machine-Readable Indicia	Johnson Controls Inc.	WC100
WO	Published	PCT/US13/076001		Configuration Of Security Devices Using Spatially-Encoded Optical Machine-Readable Indicia	Johnson Controls Inc.	WC100
US	Issued	13/873747	9608983	Authentication System And Method For Embedded Applets	Johnson Controls Inc.	WC100
US	Issued	14/183319	9313415	Method And System For Adjusting Exposure Settings Of Video Cameras	Johnson Controls Inc.	WC100
US	Issued	13/944142	9332163	Indoor Bubble Adapter	Johnson Controls Inc.	WC100
US	Issued	13/965833	10482738	System And Method For Video/Audio And Event Dispatch Using Positioning System	Johnson Controls Inc.	WC100
US	Issued	14/751079	9491414	Selection And Display Of Adaptive Rate Streams In Video Security System	Johnson Controls Inc.	WC100
EP	Published	15/705136.8		Selection And Display Of Adaptive Rate Streams In Video Security System	Johnson Controls Inc.	WC100
US	Issued	14/309983	9373097	Mobile Access Control System With Geo-Tagging	Johnson Controls Inc.	WC100
US	Issued	15/046058	10728244	Method And System For Credential Management	Johnson Controls Inc.	WC100
EP	Issued	16/709623.9	3259741	METHOD AND SYSTEM FOR CREDENTIAL MANAGEMENT	Johnson Controls Inc.	WC100

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CTRY	STATUS	ARTN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
EP	Published	19155619.0		SYSTEMS AND METHODS OF LOCK AND POWERED LOAD ENUMERATION AND SECURE ACTIVATION	Johnson Controls Inc.	WC100
US	Issued	16/204239	US10861264	SYSTEMS AND METHODS OF LOCK AND POWERED LOAD ENUMERATION AND SECURE ACTIVATION	Johnson Controls Inc.	WC100
WO	Published	PCT/US2019/033111		Facial Recognition Frictionless Access Control	Johnson Controls Inc.	WC100
EP	Published	19728831.9		Facial Recognition Frictionless Access Control	Johnson Controls Inc.	WC100
US	Pending	17/057476		Facial Recognition Frictionless Access Control	Johnson Controls Inc.	WC100
GB	Issued	0814154.1	2462312	Battery Backed power-over-ethernet system	Johnson Controls Inc.	WC100
CA	Issued	2732375	2732375	Battery Backed Power-Over-Ethernet System	Johnson Controls Inc.	WC100
CN	Issued	200980129751.0	102113270	Battery Backed Power-Over-Ethernet System	Johnson Controls Inc.	WC100
EP	Issued	09784854.3	EP2332287	Battery Backed Power-Over-Ethernet System	Johnson Controls Inc.	WC100
DE	Issued	09784854.3	60 2009 039 037.6	Battery Backed Power-Over-Ethernet System	Johnson Controls Inc.	WC100
FR	Issued	09784854.3	2332287	Battery Backed Power-Over-Ethernet System	Johnson Controls Inc.	WC100
US	Issued	13/056737	9793732	Battery Backed Power-Over-Ethernet System	Johnson Controls Inc.	WC100
US	Published	16/355305		System And Method For Access Control Using Differential Air Pressure	Johnson Controls Inc.	WC100
US	Published	16/664450		Inconspicuous Access Control Device	Johnson Controls Inc.	WC100
US	Published	16/534435		TECHNIQUES FOR DETECTING A THREE-DIMENSIONAL FACE IN FACIAL RECOGNITION	Johnson Controls Inc.	WC100
WO	Published	PCT/US2020/044290		TECHNIQUES FOR DETECTING A THREE-DIMENSIONAL FACE DURING FACIAL RECOGNITION	Johnson Controls Inc.	WC100
EP	Pending	20757156.3		Techniques for Detecting a Three-Dimensional Face in Facial Recognition	Johnson Controls Inc.	WC100
EP	Pending	21168840.3		Systems And Methods for Access Control Using Multi-Factor Validation	Johnson Controls Inc.	WC100
US	Pending	17/230847		Systems And Methods for Access Control Using Multi-Factor Validation	Johnson Controls Inc.	WC100
US	Issued	16/513286	10748364	Methods And Systems For Access Control	Johnson Controls Inc.	WC100
US	Published	16/692813		Systems and methods for establishing secured connections for IoT devices	Johnson Controls Inc.	WC100
US	Pending	16/787954		Methods and Systems for Access Control	Johnson Controls Inc.	WC100
EP	Pending	21159514.5		Methods and Systems for Customized Actions for Access Control	Johnson Controls Inc.	WC100
US	Pending	17/090188		Methods and Systems for Customized Actions for Access Control	Johnson Controls Inc.	WC100
US	Pending	62/983323		Methods and Systems for Customized Actions for Access Control	Johnson Controls Inc.	WC100
US	Pending	17/127195		Access Control System Screen Capture Facial Detection and Recognition	Johnson Controls Inc.	WC100
EM	Issued	008162374-0001	008162374-0001	Mount	Johnson Controls Inc.	WC100
EM	Issued	008162374-0002	008162374-0002	Mount	Johnson Controls Inc.	WC100
EM	Issued	008162374-0003	008162374-0003	Mount	Johnson Controls Inc.	WC100
US	Pending	17/196596		Modular Camera Mounts Usable with Security Camera Applications	Johnson Controls Inc.	WC100
US	Pending	29/727215		Mount	Johnson Controls Inc.	WC100
US	Pending	62/987189		Modular Camera Mounts Usable with Security Camera Applications	Johnson Controls Inc.	WC100
EM	Issued	008162382-0001	008162382-0001	Mount	Johnson Controls Inc.	WC100
EM	Issued	008162382-0002	008162382-0002	Mount	Johnson Controls Inc.	WC100
EM	Issued	008162382-0003	008162382-0003	Mount	Johnson Controls Inc.	WC100
EM	Issued	008162382-0004	008162382-0004	Mount	Johnson Controls Inc.	WC100
GB	Issued	008162382-0004	008162382-0004	Mount	Johnson Controls Inc.	WC100
US	Pending	17/196781		Modular Camera Mounts And Cameras For Security, Surveillance, And Access Control Applications	Johnson Controls Inc.	WC100
US	Pending	62/987188		Modular Camera Mounts and Cameras for Security, Surveillance, and Access Control Applications	Johnson Controls Inc.	WC100
US	Pending	17/196269		Modular Camera Mounts Usable With Security Camera Or Access Control Applications	Johnson Controls Inc.	WC100
US	Pending	62/987195		Modular Camera Mounts Usable with Security Camera or Access Control Applications	Johnson Controls Inc.	WC100
US	Pending	29/727218		Mount	Johnson Controls Inc.	WC100
EP	Pending	21167839.6		Systems And Methods Of Access Validation Using Distributed Ledger Identity Management	Johnson Controls Inc.	WC100

PATENT

REEL: 058954 FRAME: 0129

Schedule B-1 Johnson Controls, Inc.

CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
US	Pending	17/186783		Systems And Methods Of Access Validation Using Distributed Ledger Identity Management	Johnson Controls Inc.	WC100
US	Pending	63/009238		Systems And Methods Of Access Validation Using Distributed Ledger Identity Management	Johnson Controls Inc.	WC100
EP	Pending	21167827.1		Systems And Methods Of Access Validation Using Distributed Ledger Identity Management	Johnson Controls Inc.	WC100
US	Pending	17/186719		Systems And Methods Of Access Validation Using Distributed Ledger Identity Management	Johnson Controls Inc.	WC100
US	Pending	17/145032		Security System with Temperature Sensing	Johnson Controls Inc.	WC100
US	Pending	63/065742		Security System with Temperature Sensing	Johnson Controls Inc.	WC100
US	Pending	17/145029		Security System with Hand Sanitization	Johnson Controls Inc.	WC100
US	Pending	63/065737		Security System with Hand Sanitization	Johnson Controls Inc.	WC100
US	Pending	17/143693		Enhanced Entry Authorization	Johnson Controls Inc.	WC100
US	Pending	63/074350		Enhanced Entry Authorization	Johnson Controls Inc.	WC100
US	Pending	17/214468		Secure Low-latency and Low Throughput Support of Rest API in IOT Devices	Johnson Controls Inc.	WC100
US	Pending	17/214473		Birth Private-Key Based Security for Rest API in IOT Devices	Johnson Controls Inc.	WC100
US	Pending	17/195219		Automatic Creation And Management Of Digital Identity Profiles For Access Control	Johnson Controls Inc.	WC100
US	Pending	17/180074		Using Video Analytics To Detect Incorrect Mask Usage	Johnson Controls Inc.	WC100
US	Issued	10/637388	7154425	Supervised input converter	Johnson Controls Inc.	WC100
WO	Published	PCT/US2015/026565		MOBILE ACCESS CONTROL SYSTEM WITH GEO-TAGGING	Johnson Controls Inc.	WC100
DE	Issued	15718421.9	602015057994.1	Method And System For Managing Evacuations Using Positioning Systems	Johnson Controls Inc.	WC100
FR	Issued	15718421.9	3149716	Method And System For Managing Evacuations Using Positioning Systems	Johnson Controls Inc.	WC100
GB	Issued	15718421.9	3149716	Method And System For Managing Evacuations Using Positioning Systems	Johnson Controls Inc.	WC100
US	Published	14/288578		Method And System For Managing Evacuations Using Positioning Systems	Johnson Controls Inc.	WC100
WO	Published	PCT/US2015/026566		METHOD AND SYSTEM FOR MANAGING EVACUATIONS USING POSITIONING SYSTEMS	Johnson Controls Inc.	WC100
EP	Issued	15718421.9	3149716	Method And System For Managing Evacuations Using Positioning Systems	Johnson Controls Inc.	WC100
US	Issued	14/496050	10269224	Residential Security Using Game Platform	Johnson Controls Inc.	WC100
US	Issued	14/573063	9912149	Lighting And Surge Protection For Electronic Circuits	Johnson Controls Inc.	WC100
WO	Published	PCT/US2015/043561		LIGHTNING AND SURGE PROTECTION FOR ELECTRONIC CIRCUITS	Johnson Controls Inc.	WC100
US	Issued	14/605165	9697656	Method And System For Access Control Proximity Location	Johnson Controls Inc.	WC100
US	Issued	15/599641	10373408	Method And System For Access Control Proximity Location	Johnson Controls Inc.	WC100
WO	Published	PCT/US2015/043455		Method And System For Access Control Proximity Location	Johnson Controls Inc.	WC100
US	Issued	14/497445	10326767	Auto Configuration For Auto-Enrolled Access Controller Systems	Johnson Controls Inc.	WC100
CA	Published	2965991		Auto Configuration For Auto-Enrolled Access Controller Systems	Johnson Controls Inc.	WC100
EP	Allowed	15200949.4		Method And System For Queue Length Analysis	Johnson Controls Inc.	WC100
US	Issued	14/575567	9965684	Method And System For Queue Length Analysis	Johnson Controls Inc.	WC100
US	Issued	15/939452	10445589	Method And System For Queue Length Analysis	Johnson Controls Inc.	WC100
US	Published	16/561419		Method And System For Queue Length Analysis	Johnson Controls Inc.	WC100
US	Issued	14/634428	10701321	System And Method For Distributed Video Analysis	Johnson Controls Inc.	WC100
US	Issued	15/160722	10158550	Access Control System With Omni And Directional Antennas	Johnson Controls Inc.	WC100
US	Issued	15/160736	10235854	Tailgating Detection In Frictionless Access Control System	Johnson Controls Inc.	WC100
US	Issued	15/160753	9865144	Video Recognition In Frictionless Access Control System	Johnson Controls Inc.	WC100
US	Issued	15/160765	9947155	Frictionless Access System For Public Access Point	Johnson Controls Inc.	WC100
EP	Issued	15/160775	10403066	Portable Device Having Directional Bie Antenna	Johnson Controls Inc.	WC100
EP	Published	16727274.9		Frictionless Access System For Public Access Point	Johnson Controls Inc.	WC100
EP	Published	16730083.9		Portable Device Having Directional Bie Antenna	Johnson Controls Inc.	WC100
WO	Published	PCT/US2016/033597		Frictionless Access System For Public Access Point	Johnson Controls Inc.	WC100
US	Issued	15/240569	10013826	Identity Token Based Security System And Method	Johnson Controls Inc.	WC100
WO	Published	PCT/US2016/047563		Identity Token Based Security System And Method	Johnson Controls Inc.	WC100
EP	Issued	16758026.5	EP338427	Identity Token Based Security System And Method	Johnson Controls Inc.	WC100

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CTRY STATUS	ATRN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTRY ID
US Issued	15/055973	10419484	System And Method For Communicating With security Devices Within Secure Networks	Johnson Controls Inc.	WC100
US Issued	15/015723	1056811	Access Control System with Curtain Antenna System	Johnson Controls Inc.	WC100
US Issued	15/014457	10373412	System And Method For Controlling Access To An Access Point	Johnson Controls Inc.	WC100
EP Published	17703014.5		System And Method For Controlling Access To An Access Point	Johnson Controls Inc.	WC100
US Issued	15/205911	10438425	Touch Pad Circuit Board Having Radio Frequency Antenna And Capacitive Touch Pad And Access Control Reader Device Using The Radio Frequency Antenna In Proximity To The Capacitive Touch Pad	Johnson Controls Inc.	WC100
US Issued	15/196613	10492066	Access And Automation Control Systems With Mobile Computing Device	Johnson Controls Inc.	WC100
WO Published	PCT/US2016/061374		ACCESS AND AUTOMATION CONTROL SYSTEMS WITH MOBILE COMPUTING DEVICE	Johnson Controls Inc.	WC100
EP Published	16/78628.4		Access And Automation Control Systems With Mobile Computing Device	Johnson Controls Inc.	WC100
US Published	14/988472		Method And System For Non-Authoritative Identity And Identity Permissions	Johnson Controls Inc.	WC100
WO Published	PCT/IB2017/050093		Broker And Use Thereof METHOD AND SYSTEM FOR NON-AUTHORITATIVE IDENTITY AND IDENTITY PERMISSIONS PERMISSIONS BROKER AND USE THEREOF	Johnson Controls Inc.	WC100
EP Published	17701360.4		Method and System for Non-Authoritative Identity and Identity Permissions	Johnson Controls Inc.	WC100
US Published	15/278814		Broker and Use Thereof Repeater For Frictionless Access Control System	Johnson Controls Inc.	WC100
US Issued	15/729926	10540834	Frictionless Access Control System With User Tracking And Omni And Dual Probe Directional Antennas	Johnson Controls Inc.	WC100
US Published	15/729928		Frictionless Access Control System With Ceiling Tile Positioning Unit	Johnson Controls Inc.	WC100
US Published	15/729929		Frictionless Access Control System With Ranging Camera	Johnson Controls Inc.	WC100
US Allowed	16/205806	11030835	Frictionless Access Control System Providing Ultrasonic User Location	Johnson Controls Inc.	WC100
US Issued	15/690743	10968669	System And Method For Inductive Power Transfer To Door	Johnson Controls Inc.	WC100
US Issued	15/690763	10943415	System And Method For Providing Communication Over Inductive Power Transfer To Door	Johnson Controls Inc.	WC100
US Issued	15/690770	10937262	Door system with power management system and method of operation thereof	Johnson Controls Inc.	WC100
US Published	15/603836		System And Method For Facilitating Access To Access Points In Access Control System	Johnson Controls Inc.	WC100
EP Published	18164355.2		System And Method For Facilitating Access To Access Points In Access Control System	Johnson Controls Inc.	WC100
US Issued	15/478996	10332370	System And Method For Energy Saving On Access Control Products	Johnson Controls Inc.	WC100
US Issued	15/492490	10181230	System And Method For Controlling Access At Access Point	Johnson Controls Inc.	WC100
US Issued	16/027468	10852751	Building bots interfacing with security systems	Johnson Controls Inc.	WC100
US Issued	16/376418	10955573	Multi Facility Earthquake Automation System And Method	Johnson Controls Inc.	WC100
US Issued	15/624195	10379237	Multi Facility Earthquake Automation System And Method	Johnson Controls Inc.	WC100
EP Published	18195939.6		Use Of Identity And Access Management For Service Provisioning	Johnson Controls Inc.	WC100
EP Published	18196020.4		Identify Management For Implementing Vehicle Access And Operation Management	Johnson Controls Inc.	WC100
EP Published	18196220.0		Methods And Apparatus For Implementing Identity And Asset Sharing Management	Johnson Controls Inc.	WC100
EP Published	18195994.1		Methods And Apparatus For Implementing Identity And Asset Sharing Management	Johnson Controls Inc.	WC100
US Published	15/911537		Use Of Identity And Access Management For Service Provisioning	Johnson Controls Inc.	WC100
US Issued	15/911512	10829088	Identify management for implementing vehicle access and operation management	Johnson Controls Inc.	WC100
US Allowed	15/911560		Methods And Apparatus For Implementing Identity And Asset Sharing Management	Johnson Controls Inc.	WC100
US Issued	15/911613	10453319	Methods And Apparatus For Management Of Intrusion Detection Systems	Johnson Controls Inc.	WC100
US Issued	16/574479	10896586	Using Verified Identity Methods And Apparatus For Management Of Intrusion Detection Systems	Johnson Controls Inc.	WC100
US Published	16/037492		Using Verified Identity Biometric Access Control Identification Card	Johnson Controls Inc.	WC100

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CTRY	STATUS	APPL. #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
US	Published	16/221184		SYSTEMS AND METHODS OF SECURE PIN CODE ENTRY	Johnson Controls Inc.	WC100
US	Published	16/353866		Systems And Methods Of Combining RFID And WMS For People Tracking And Intrusion Detection	Johnson Controls Inc.	WC100
US	Issued	16/058050	10726712B2	Building Bots Interfacing With Intrusion Detection Systems	Johnson Controls Inc.	WC100
US	Issued	15/29874	10855741	System And Method For Multiplexed Video Stream Decoding In Web Browser	Johnson Controls Inc.	WC100
US	Issued	14/869707	9986010	System And Method For Controlling Video And/Or Audio Streams In A Web Browser	Johnson Controls Inc.	WC100
US	Issued	15/076712	9965680	Method and system for conveying data from monitored scene via surveillance cameras	Johnson Controls Inc.	WC100
US	Issued	15/939461	10977487	Method And System For Conveying Data From Monitored Scene Via Surveillance Cameras	Johnson Controls Inc.	WC100
US	Published	15/076708		System And Method For Retail Customer Tracking In Surveillance Camera Network	Johnson Controls Inc.	WC100
US	Issued	15/076706	10192414	System And Method For Overlap Detection In Surveillance Camera Network	Johnson Controls Inc.	WC100
WO	Published	PCT/US2017/023440		System And Method For Overlap Detection In Surveillance Camera Network	Johnson Controls Inc.	WC100
US	Issued	15/076705	10665071	System And Method For Deadzone Detection In Surveillance Camera Network	Johnson Controls Inc.	WC100
WO	Published	PCT/US2017/023436		System And Method For Deadzone Detection In Surveillance Camera Network	Johnson Controls Inc.	WC100
US	Issued	15/076704	10318836	System And Method For Designating Surveillance Camera Regions Of Interest	Johnson Controls Inc.	WC100
US	Issued	15/076701	10347102	Method And System For Surveillance Camera Arbitration Of Uplink Consumption	Johnson Controls Inc.	WC100
WO	Published	PCT/US2017/023430		Method And System For Surveillance Camera Arbitration Of Uplink Consumption	Johnson Controls Inc.	WC100
EP	Published	1771273.1		Method And System For Surveillance Camera Arbitration Of Uplink Consumption	Johnson Controls Inc.	WC100
US	Issued	15/076709	10733231	Method and system for modeling image of interest to users	Johnson Controls Inc.	WC100
US	Published	15/076703		Method And System For Pooled Local Storage By Surveillance Cameras	Johnson Controls Inc.	WC100
WO	Published	PCT/US2017/023434		Method And System For Pooled Local Storage By Surveillance Cameras	Johnson Controls Inc.	WC100
EP	Published	17717930.6		Method And System For Pooled Local Storage By Surveillance Cameras	Johnson Controls Inc.	WC100
US	Issued	15/076710	10764539	System And Method For Using Mobile Device Of Zone And Correlated Motion Detection	Johnson Controls Inc.	WC100
US	Published	15/076717		System And Method For Controlling Surveillance Cameras	Johnson Controls Inc.	WC100
WO	Published	PCT/US2018/030405		SPACE MANAGEMENT MONITORING AND REPORTING USING VIDEO ANALYTICS	Johnson Controls Inc.	WC100
EP	Published	18730151.0		Space Management Monitoring and Reporting Using Video Analytics	Johnson Controls Inc.	WC100
US	Published	16/606499		Space Management Monitoring and Reporting Using Video Analytics	Johnson Controls Inc.	WC100
US	Published	15/638711		Security Camera System With Multi-Directional Mount And Method Of Operation	Johnson Controls Inc.	WC100
US	Allowed	15/967983		Surveillance System With Human Behavior Prediction By Human Action Recognition	Johnson Controls Inc.	WC100
US	Published	15/967997		Video Display System For Video Surveillance	Johnson Controls Inc.	WC100
US	Issued	15/803988	10643078	Automatic Camera Ground Plane Calibration Method And System	Johnson Controls Inc.	WC100
WO	Published	PCT/US2017/060610		VIDEO MANAGEMENT SYSTEM AND METHOD FOR RETRIEVING AND STORING DATA FROM SURVEILLANCE CAMERAS	Johnson Controls Inc.	WC100
EP	Published	17801572.3		VIDEO MANAGEMENT SYSTEM AND METHOD FOR RETRIEVING AND STORING DATA FROM SURVEILLANCE CAMERAS	Johnson Controls Inc.	WC100
US	Published	16/613243		Video Management System and Method for Retrieving and Storing Data from Surveillance Cameras	Johnson Controls Inc.	WC100
US	Issued	15/807101	10397619	Camera Data Retention Using Uptime Clocks And Settings	Johnson Controls Inc.	WC100
WO	Published	PCT/US2018/039895		Security Camera System with Multi-Directional Mount and Method of Operation	Johnson Controls Inc.	WC100

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CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
WO	Published	PCT/US2018/52901		Security Camera System With Multi-Directional Mount And Method Of Operation	Johnson Controls Inc.	WC100
WO	Published	PCT/US2018/52908		Security Camera System With Multi-Directional Mount And Method Of Operation	Johnson Controls Inc.	WC100
EP	Published	18783338.9		Security Camera System With Multi-Directional Mount And Method Of Operation	Johnson Controls Inc.	WC100
EP	Published	18783340.5		Security Camera System With Multi-Directional Mount And Method Of Operation	Johnson Controls Inc.	WC100
US	Published	15/818816		Security Camera System With Multi-Directional Mount And Method Of Operation	Johnson Controls Inc.	WC100
US	Published	15/818818		Security Camera System With Multi-Directional Mount And Method Of Operation	Johnson Controls Inc.	WC100
US	Issued	15/818821	10713811	Security Camera System With Multi-Directional Mount And Method Of Operation	Johnson Controls Inc.	WC100
WO	Published	PCT/US2018/057305		Frictionless Access Control System Embodying Satellite Cameras For Facial Recognition	Johnson Controls Inc.	WC100
EP	Published	18800000.4		Frictionless Access Control System Embodying Satellite Cameras For Facial Recognition	Johnson Controls Inc.	WC100
US	Published	16/753571		Frictionless Access Control System Embodying Satellite Cameras For Facial Recognition	Johnson Controls Inc.	WC100
US	Issued	15/873080	10475191	System And Method For Identification And Suppression Of Time Varying Background Objects	Johnson Controls Inc.	WC100
US	Issued	16/589666	10861163	System And Method For Identification And Suppression Of Time Varying Background Objects	Johnson Controls Inc.	WC100
EP	Published	19170575.5		Two Axis Pan Tilt Camera System Configured To Maintain A Level Image When Wall Or Ceiling Mounted	Johnson Controls Inc.	WC100
US	Published	15/959860		Two Axis Pan Tilt Camera System Configured To Maintain A Level Image When Wall Or Ceiling Mounted	Johnson Controls Inc.	WC100
WO	Published	PCT/US2019/016912		Surveillance Camera For Day/Night Transitions And Method Therefor	Johnson Controls Inc.	WC100
EP	Published	19155620.8		SYSTEMS AND METHODS OF ELIMINATING VIDEO FLICKER CAUSED BY LED DUTY CYCLING TO MAINTAIN BRIGHTNESS AND CONTROL POWER CONSUMPTION	Johnson Controls Inc.	WC100
US	Published	16/156806		SYSTEMS AND METHODS OF ELIMINATING VIDEO FLICKER CAUSED BY LED DUTY CYCLING TO MAINTAIN BRIGHTNESS AND CONTROL POWER CONSUMPTION	Johnson Controls Inc.	WC100
US	Published	16/252287		Sensor System Having Transparent Window Contaminant Removal Using Vibration	Johnson Controls Inc.	WC100
US	Issued	16/188463	US10/08509	SYSTEMS AND METHODS OF REMOTE PAN TILT SEALED SPHEROID CAMERAS MAINTAINING LEVEL IMAGE WHEN WALL OR CEILING MOUNTED	Johnson Controls Inc.	WC100
US	Issued	12/874599	8754946B2	Wireless Video Surveillance System And Method With Two-Way Locking Of Input Capture Devices	Johnson Controls Inc.	WC100
US	Issued	12/380807	8395664	Wireless Surveillance System And Method For 3-D Visualization And User-Controlled Analytics Of Captured Data	Johnson Controls Inc.	WC100
US	Issued	11/720678	7603087	Wireless Video Surveillance Jamming And Interface Prevention	Johnson Controls Inc.	WC100
US	Issued	12/550935	7925219	Wireless video surveillance jamming and interference prevention	Johnson Controls Inc.	WC100
CN	Issued	200580040922.4	CN101065980B	wireless Video Surveillance System And Method	Johnson Controls Inc.	WC100
US	Issued	15/999403	10594985	Systems And Methods For Automated Cloud-Based Analytics For Security And/Or Surveillance	Johnson Controls Inc.	WC100
US	Issued	14/249687	10057546	Systems And Methods For Automated Cloud-Based Analytics For Security And/Or Surveillance	Johnson Controls Inc.	WC100
US	Issued	14/504132	9216509	Systems And Methods For Automated Cloud-Based Analytics For Security And/Or Surveillance	Johnson Controls Inc.	WC100
US	Issued	14/845475	9407880	Analytics For Security Surveillance In Operation Areas	Johnson Controls Inc.	WC100
US	Issued	14/845480	9438865	Systems And Methods For Automated And Cloud-Based Analytics For Security Surveillance Systems With Mobile Input Capture Devices	Johnson Controls Inc.	WC100

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CTRY	STATUS	ARTN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
US	Issued	14/845464	9426428	Systems And Methods For Automated Cloud-Based Analytics And 3-Dimensional (3D) Display For Surveillance Systems In Retail Stores	Johnson Controls Inc.	WC100
US	Issued	15/220445	9514370	Systems And Methods For Automated 3-Dimensional (3D) Cloud-Based Analytics For Security Surveillance In Operation Areas	Johnson Controls Inc.	WC100
US	Issued	15/220463	9514371	Systems And Methods For Automated Cloud-Based Analytics And 3-Dimensional (3D) Display For Surveillance Systems	Johnson Controls Inc.	WC100
US	Issued	15/220456	9516278	Systems And Methods For Automated Cloud-Based Analytics And 3-Dimensional (3D) Playback For Surveillance Systems	Johnson Controls Inc.	WC100
US	Issued	15/228354	9516279	Systems And Methods For Automated Cloud-Based 3-Dimensional (3D) Analytics For Surveillance Systems	Johnson Controls Inc.	WC100
US	Issued	15/228374	9516280	Systems And Methods For Automated Cloud-Based Analytics And 3-Dimensional (3d) Display For Surveillance Systems In Retail Stores	Johnson Controls Inc.	WC100
US	Issued	15/241451	9516281	Surveillance Systems With Mobile Input Capture Devices	Johnson Controls Inc.	WC100
US	Issued	14/845417	9686514	Systems And Methods For An Automated Cloud-Based Video Surveillance System	Johnson Controls Inc.	WC100
US	Issued	14/865684	9407881	Systems And Methods For Automated Cloud-Based Analytics For Surveillance Systems With Unmanned Aerial Devices	Johnson Controls Inc.	WC100
US	Issued	15/220449	9747502	Systems And Methods For Automated Cloud-Based Analytics For Surveillance Systems With Unmanned Aerial Devices	Johnson Controls Inc.	WC100
US	Issued	14/845423	10084995	Systems And Methods For An Automated Cloud-Based Video Surveillance System	Johnson Controls Inc.	WC100
US	Allowed	14/926189		Systems And Methods for an Automated Cloud-Based Video Surveillance System	Johnson Controls Inc.	WC100
US	Allowed	16/238429		Systems And Methods For Automated Analytics for Security Surveillance in Operation Areas	Johnson Controls Inc.	WC100
US	Allowed	16/783071		Systems And Methods For Automated Cloud-Based Analytics For Security And/Or Surveillance	Johnson Controls Inc.	WC100
US	Issued	15/369619	102170082	Systems And Methods For Automated Analytics For Security In Operation Areas	Johnson Controls Inc.	WC100
US	Issued	14/882896	9403277	Systems And Methods For Automated Cloud-Based Analytics for Security and/or Surveillance	Johnson Controls Inc.	WC100
US	Issued	15/220453	9749596	Systems And Methods For Automated Cloud-Based Analytics For Security And/Or Surveillance	Johnson Controls Inc.	WC100
US	Issued	14/845439	9407879	Systems And Methods For Automated Cloud-Based Analytics and 3-Dimensional (3D) Playback For Surveillance Systems	Johnson Controls Inc.	WC100
US	Issued	14/845446	9420238	Systems And Methods For Automated Cloud-Based 3-Dimensional (3D) Analytics for Surveillance Systems	Johnson Controls Inc.	WC100
US	Issued	14/845458	940597982	Systems And Methods For Automated Cloud-Based Analytics And 3-Dimensional (3d) Playback For Surveillance Systems	Johnson Controls Inc.	WC100
WO	Published	PCT/US2015/024808		Systems And Methods For Automated Cloud-Based Analytics For Security And/Or Surveillance	Johnson Controls Inc.	WC100
EP	Published	15777105.6		Systems And Methods For Automated Cloud-Based Analytics For Security And/Or Surveillance	Johnson Controls Inc.	WC100
US	Issued	29/364668	D633121	Wireless Video Surveillance Camera	Johnson Controls Inc.	WC100
US	Issued	15/803661	10194119	Wireless Environmental Data Capture System And Method For Mesh Networking	Johnson Controls Inc.	WC100
US	Issued	16/171857	10475314	Surveillance Monitoring Systems And Methods For Remotely Viewing Data And Controlling Cameras	Johnson Controls Inc.	WC100
US	Issued	16/367097	10573143	Surveillance Monitoring Systems And Methods For Remotely Viewing Data And Controlling Cameras	Johnson Controls Inc.	WC100
US	Allowed	16/590298	11037419	Surveillance Monitoring Systems And Methods For Remotely Viewing Data And Controlling Cameras	Johnson Controls Inc.	WC100
US	Allowed	16/731614	11043092	Surveillance Monitoring Systems And Methods For Remotely Viewing Data And Controlling Cameras	Johnson Controls Inc.	WC100

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CTRY	STATUS	APPL. #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
US	Published	17/009065		Wireless Environmental Data Capture System And Method For Mesh Networking	Johnson Controls Inc.	WC100
US	Pending	17/330211		Wireless Environmental Data Capture System And Method For Mesh Networking	Johnson Controls Inc.	WC100
US	Issued	14/873097	10097795	Network Video Recorder Cluster And Method Of Operation	Johnson Controls Inc.	WC100
US	Issued	16/120712	10516856	Network Video Recorder Cluster And Method Of Operation	Johnson Controls Inc.	WC100
US	Issued	14/966901	9628688	Security Camera Having A Body Orientation Sensor And Method Of Use	Johnson Controls Inc.	WC100
WO	Published	PCT/US2015/52045		Security Camera Having A Body Orientation Sensor And Method Of Use	Johnson Controls Inc.	WC100
US	Issued	14/98263	10070077	System And Method For Automated Camera Guard Tour Operation	Johnson Controls Inc.	WC100
US	Issued	16/106922	10645311	System And Method For Automated Camera Guard Tour Operation	Johnson Controls Inc.	WC100
WO	Published	PCT/US2015/052049		System And Method For Automated Camera Guard Tour Operation	Johnson Controls Inc.	WC100
CA	Published	2962590		System And Method For Automated Camera Guard Tour Operation	Johnson Controls Inc.	WC100
EP	Published	15/78132.9		System And Method For Automated Camera Guard Tour Operation	Johnson Controls Inc.	WC100
US	Issued	14/567008	10277869	Efficient Process For Camera Call-Up	Johnson Controls Inc.	WC100
US	Issued	14/683342	10044932	Wide Angle Fisheye Security Camera Having Offset Lens And Image Sensor	Johnson Controls Inc.	WC100
US	Published	14/741102		System And Method For Position Tracking And Image Information Access	Johnson Controls Inc.	WC100
US	Issued	15/196585	10728585	System And Method For Distributed Video Storage Across Enterprises	Johnson Controls Inc.	WC100
US	Issued	14/802788	9832354	Bubble For Surveillance Camera	Johnson Controls Inc.	WC100
US	Issued	15/076713	10475315	System And Method For Configuring Surveillance Cameras Using Mobile Computing Devices	Johnson Controls Inc.	WC100
US	Issued	15/263301	10769935	Method And Apparatus For Unified Mobile Application For Installation Of Security Products	Johnson Controls Inc.	WC100
US	Published	15/333984		Method And System For Object Location Notification In A Fire Alarm System	Johnson Controls Inc.	WC100
US	Published	16/757129		Methods And System For Controlling Access To Enterprise Resources Based on Tracking	Johnson Controls Inc.	WC100
WO	Published	PCT/US2018/058971		Methods And System For Controlling Access To Enterprise Resources Based on Tracking	Johnson Controls Inc.	WC100
EP	Published	18807180.7		Methods And System For Controlling Access To Enterprise Resources Based on Tracking	Johnson Controls Inc.	WC100
WO	Published	PCT/US2018/058976		Methods And System For Distributed Cameras and Demographics Analysis	Johnson Controls Inc.	WC100
EP	Published	18807181.5		Methods And System For Distributed Cameras and Demographics Analysis	Johnson Controls Inc.	WC100
US	Pending	16/756904		Methods And System for Distributed Cameras and Demographics Analysis	Johnson Controls Inc.	WC100
WO	Published	PCT/US2018/058984		Methods And System for Monitoring and Assessing Employee Moods	Johnson Controls Inc.	WC100
US	Pending	16/756905		Methods And System for Monitoring and Assessing Employee Moods	Johnson Controls Inc.	WC100
WO	Published	PCT/US2018/058996		Methods And System for Employee Monitoring and Business Rule and Quorum Compliance Monitoring	Johnson Controls Inc.	WC100
US	Pending	16/756908		Methods And System for Employee Monitoring and Business Rule and Quorum Compliance Monitoring	Johnson Controls Inc.	WC100
US	Issued	15/721341	10769911B2	Wireless Environmental Data Capture System And Method For Mesh Networking	Johnson Controls Inc.	WC100
US	Allowed	15/721434		Wireless Environmental Data Capture System And Method For Mesh Networking	Johnson Controls Inc.	WC100
US	Published	15/721462		Wireless Environmental Data Capture System And Method For Mesh Networking	Johnson Controls Inc.	WC100
US	Issued	16/213099	US10893195	SYSTEMS AND METHODS OF MULTI-SENSOR CAMERAS AND REMOTE IMAGERS	Johnson Controls Inc.	WC100
US	Published	16/399744		Video Summarization Systems And Methods	Johnson Controls Inc.	WC100
US	Published	17/147227		Video Summarization Systems And Methods	Johnson Controls Inc.	WC100
US	Issued	15/815435	10304301B2	Wireless Environmental Data Capture System and Method for Mesh Networking	Johnson Controls Inc.	WC100
US	Issued	16/398051	10504347	Wireless Environmental Data Capture System and Method for Mesh Networking	Johnson Controls Inc.	WC100
US	Issued	16/674416	10685543	Wireless Environmental Data Capture System and Method for Mesh Networking	Johnson Controls Inc.	WC100

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CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
US	Published	16/897134		Wireless Environmental Data Capture System and Method for Mesh Networking	Johnson Controls Inc.	WC100
EP	Issued	07836972.5	EP2052543	Controller For A Video Matrix Switching System	Johnson Controls Inc.	WC100
GB	Issued	07836972.5	2052543	Controller For A Video Matrix Switching System	Johnson Controls Inc.	WC100
US	Published	16/700842		Method And System For Enhancing Security Of A Secured Area	Johnson Controls Inc.	WC100
EM	Issued	006730818	006730818-0001	Camera Housing	Johnson Controls Inc.	WC100
US	Issued	29/681180	D890834	Camera Housing	Johnson Controls Inc.	WC100
EM	Issued	006730826-0001	006730826-0001	Wall mounts	Johnson Controls Inc.	WC100
US	Issued	29/681224	D8929095	Mount	Johnson Controls Inc.	WC100
EP	Published	20158909.0		Methods and Systems for an Access Control System Using Visual Recognition	Johnson Controls Inc.	WC100
US	Published	16/798093		Methods and Systems for an Access Control System Using Visual Recognition	Johnson Controls Inc.	WC100
EP	Published	2020019642		Hierarchical Sampling For Object Identification	Johnson Controls Inc.	WC100
US	Published	17/061262		Hierarchical Sampling For Object Identification	Johnson Controls Inc.	WC100
US	Issued	16/513242	11004319	Security Camera Systems and Methods	Johnson Controls Inc.	WC100
US	Pending	16/788043		Temperature Regulating Camera Housing And Camera	Johnson Controls Inc.	WC100
EP	Published	20199572.7		Classification and Re-Identification Using a Neural Network	Johnson Controls Inc.	WC100
US	Published	17/061110		Classification And Re-Identification	Johnson Controls Inc.	WC100
US	Pending	16/996688		Video Analytics Scene Classification And Automatic Camera Configuration Based	Johnson Controls Inc.	WC100
US	Pending	16/996604		Automatic Selection Of Camera Profile	Johnson Controls Inc.	WC100
EP	Pending	21122888.6		Systems and Methods of Identifying Persons-of-Interest	Johnson Controls Inc.	WC100
US	Pending	17/196698		Systems and Methods of Identifying Persons-of-Interest	Johnson Controls Inc.	WC100
EP	Pending	21122890.2		Systems and Methods of Enforcing Social Distancing Rules	Johnson Controls Inc.	WC100
US	Pending	17/196717		Systems and Methods of Enforcing Social Distancing Rules	Johnson Controls Inc.	WC100
US	Pending	17/143727		Enhanced Temperature Measurement Techniques	Johnson Controls Inc.	WC100
US	Pending	63/074364		Enhanced Temperature Measurement Techniques	Johnson Controls Inc.	WC100
US	Pending	17/315132		Multi-Stream Peak Bandwidth Dispersal	Johnson Controls Inc.	WC100
EP	Published	15844243.4	7136524	Auto Configuration For Auto-Enrolled Access Controller Systems	Johnson Controls Inc.	WC100
US	Issued	11/229091		Robust Perceptual Color Identification	Johnson Controls Inc.	WC100
US	Issued	15/366576	1032694082	Multi-Video Navigation System	Johnson Controls Inc.	WC100
US	Issued	13/916462	9544563	Multi-Video Navigation System	Johnson Controls Inc.	WC100
US	Issued	11/726879	7777783	Multi-Video Navigation	Johnson Controls Inc.	WC100
US	Issued	15/366450	1048461182	Multi-Video Navigation	Johnson Controls Inc.	WC100
US	Issued	95/001525	7777783C1	Multi-Video Navigation System	Johnson Controls Inc.	WC100
US	Issued	11/230932	7467116	Incremental data fusion and decision making system and associated method	Johnson Controls Inc.	WC100
US	Issued	11/129090	7242810	Multimodal High-Dimensional Data Fusion For Classification And Identification	Johnson Controls Inc.	WC100
US	Pending	17/210276		Systems and Methods of Enforcing Dynamic Thresholds of Social Distancing Rules	Johnson Controls Inc.	WC100
DE	Issued	11729335.7	2564380	METHOD AND SYSTEM FOR SECURITY SYSTEM TAMPERING DETECTION	Johnson Controls Inc.	WC100
DE	Issued	15194368.5	3002741	Method And System For Security System Tampering Detection	Johnson Controls Inc.	WC100
EP	Issued	15194368.5	3002741	Method And System For Security System Tampering Detection	Johnson Controls Inc.	WC100
FR	Issued	11729335.7	2564380	METHOD AND SYSTEM FOR SECURITY SYSTEM TAMPERING DETECTION	Johnson Controls Inc.	WC100
FR	Issued	15194368.5	3002741	Method And System For Security System Tampering Detection	Johnson Controls Inc.	WC100
GB	Issued	11729335.7	2564380	METHOD AND SYSTEM FOR SECURITY SYSTEM TAMPERING DETECTION	Johnson Controls Inc.	WC100
GB	Issued	15194368.5	3002741	Method And System For Security System Tampering Detection	Johnson Controls Inc.	WC100
HK	Issued	13107615.5	1180436A	Method And System For Security System Tampering Detection	Johnson Controls Inc.	WC100
US	Issued	14/018624	9286778	Method And System For Security System Tampering Detection	Johnson Controls Inc.	WC100
US	Issued	12/767132	8558889	Method And System For Security System Tampering Detection	Johnson Controls Inc.	WC100
AU	Issued	201180020956.2	2011247121	Method And System For Security Tampering Detection	Johnson Controls Inc.	WC100
CA	Issued	2795896	2795896	METHOD AND SYSTEM FOR SECURITY SYSTEM TAMPERING DETECTION	Johnson Controls Inc.	WC100

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CTRY	STATUS	ARTN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
CN	Issued	ZL201180020956.2	ZL201180020956.2	Method and system for security system tampering detection	Johnson Controls Inc.	WC100
EP	Issued	11729335.7	2564380	METHOD AND SYSTEM FOR SECURITY SYSTEM TAMPERING DETECTION	Johnson Controls Inc.	WC100
DE	Issued	12717457.1	EP2700241	Method And System For Load Balancing Between A Video Server And Client	Johnson Controls Inc.	WC100
FR	Issued	12717457.1	EP2700241	Method And System For Load Balancing Between A Video Server And Client	Johnson Controls Inc.	WC100
GB	Issued	12717457.1	EP2700241	Method And System For Load Balancing Between A Video Server And Client	Johnson Controls Inc.	WC100
US	Issued	13/089503	9528625	Method And System for load balancing Between A Video Server And Client	Johnson Controls Inc.	WC100
CN	Issued	201280026259.2	103597844	Method and system for load balancing between video server and client	Johnson Controls Inc.	WC100
EP	Issued	12717457.1	2700241	Method And System For Load Balancing Between A Video Server And Client	Johnson Controls Inc.	WC100
US	Pending	136645820		Access Control Reader With Audio Spatial Filtering	Johnson Controls Inc.	WC100
AR	Issued	2013P102944	92176	Method and System for Detecting and Clearing Camera Bubble Misting	Johnson Controls Inc.	WC100
US	Issued	13/591290	9329457	Method And System For Detecting And Clearing Camera Bubble Misting	Johnson Controls Inc.	WC100
EP	Issued	13756246.8	2888627	Method And System For Detecting And Clearing Misting Of The Bubble In A Security Camera	Johnson Controls Inc.	WC100
AR	Issued	P130103733	93015	SISTEMA DE CAMARAS DE SEGURIDAD Y METODO PARA ELIMINAR ABERRACIONES DE VIDEO PROVENIENTES DE LA EXCESIVA ILUMINACION INFRARROJA	Johnson Controls Inc.	WC100
US	Issued	13/661298	9264596	Security Camera System And Method For Eliminating Video Aberrations From Excessive Ir Illumination	Johnson Controls Inc.	WC100
CN	Issued	201210434596.7	CN103679867 (A)	Access Control Reader Enabling Remote Applications	Johnson Controls Inc.	WC100
CN	Issued	201910186457.9	CN109859361A	Access Control Reader Enabling Remote Applications	Johnson Controls Inc.	WC100
DE	Issued	13765589	2898482	Access Control Reader Enabling Remote Applications	Johnson Controls Inc.	WC100
FR	Issued	13765589	2898482	Access Control Reader Enabling Remote Applications	Johnson Controls Inc.	WC100
GB	Issued	13765589	2898482	Access Control Reader Enabling Remote Applications	Johnson Controls Inc.	WC100
US	Issued	13/622182	8888002	Access Control Reader Enabling Remote Applications	Johnson Controls Inc.	WC100
US	Issued	14/515907	9390573	Access Control Reader Enabling Remote Applications	Johnson Controls Inc.	WC100
EP	Issued	13765589	2898482	Access Control Reader Enabling Remote Applications	Johnson Controls Inc.	WC100
US	Issued	14/018905	9075288	Pan, Tilt, Zoom Camera System For Cooling Electronics	Johnson Controls Inc.	WC100
US	Issued	13/768210	10372016	Method And System For Assisting Security Camera Focusing	Johnson Controls Inc.	WC100
WO	Pending	PCT/US2013/075985		Method And System For Assisting Security Camera Focusing	Johnson Controls Inc.	WC100
US	Issued	13/944142	9332163	Indoor Bubble Adapter	Johnson Controls Inc.	WC100
US	Issued	15/046058	10728244	Method And System for Credential Management	Johnson Controls Inc.	WC100
EP	Issued	16709623.9	3259741	METHOD AND SYSTEM FOR CREDENTIAL MANAGEMENT	Johnson Controls Inc.	WC100
EP	Pending	19155619		SYSTEMS AND METHODS OF LOCK AND POWERED LOAD ENVIRONMENT AND SECURE ACTIVATION	Johnson Controls Inc.	WC100
US	Issued	16/204239	10861264	SYSTEMS AND METHODS OF LOCK AND POWERED LOAD ENVIRONMENT AND SECURE ACTIVATION	Johnson Controls Inc.	WC100
WO	Pending	PCT/US2019/033111		Facial Recognition Frictionless Access Control	Johnson Controls Inc.	WC100
EP	Pending	19728831.9		Facial Recognition Frictionless Access Control	Johnson Controls Inc.	WC100
US	Pending	17/057476		Facial Recognition Frictionless Access Control	Johnson Controls Inc.	WC100
GB	Issued	2332287	2332287	Battery Backed Power+ Power Supply	Johnson Controls Inc.	WC100
CA	Issued	2732375	2732375	Battery Backed Power-Over-Ethernet System	Johnson Controls Inc.	WC100
CN	Issued	200980129751.0	102113270	Battery Backed Power-Over-Ethernet System	Johnson Controls Inc.	WC100
EP	Issued	9784854.3	2332287	Battery Backed Power-Over-Ethernet System	Johnson Controls Inc.	WC100
DE	Issued	9784854.3	2332287	Battery Backed Power-Over-Ethernet System	Johnson Controls Inc.	WC100
FR	Issued	9784854.3	2332287	Battery Backed Power-Over-Ethernet System	Johnson Controls Inc.	WC100
US	Issued	13/056737	9793732	Battery Backed Power-Over-Ethernet System	Johnson Controls Inc.	WC100
US	Pending	63/011822		SYSTEMS AND METHODS FOR ACCESS CONTROL USING MULTI-FACTOR VALIDATION	Johnson Controls Inc.	WC100
EP	Pending	21168840.3		SYSTEMS AND METHODS FOR ACCESS CONTROL USING MULTI-FACTOR VALIDATION	Johnson Controls Inc.	WC100
US	Pending	17/230847		SYSTEMS AND METHODS FOR ACCESS CONTROL USING MULTI-FACTOR VALIDATION	Johnson Controls Inc.	WC100

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CTRY	STATUS	ATRN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
EP	Pending	21159514.5		Methods and Systems for Customized Actions for Access Control	Johnson Controls Inc.	WC100
US	Pending	17/090188		Methods and Systems for Customized Actions for Access Control	Johnson Controls Inc.	WC100
US	Pending	62/983323		Methods and Systems for Customized Actions for Access Control	Johnson Controls Inc.	WC100
US	Pending	17/196596		Modular Camera Mounts Usable with Security Camera Applications	Johnson Controls Inc.	WC100
US	Pending	62/987189		Modular Camera Mounts Usable with Security Camera Applications	Johnson Controls Inc.	WC100
US	Pending	17/196781		Modular Camera Mounts And Cameras For Security, Surveillance, And Access Control Applications	Johnson Controls Inc.	WC100
US	Pending	62/987188		Modular Camera Mounts and Cameras for Security, Surveillance, and Access Control Applications	Johnson Controls Inc.	WC100
US	Pending	17/196269		Modular Camera Mounts Usable With Security Camera Or Access Control Applications	Johnson Controls Inc.	WC100
US	Pending	62/987195		Modular Camera Mounts Usable with Security Camera or Access Control Applications	Johnson Controls Inc.	WC100
US	Pending	17/180074		Using Video Analytics To Detect Incorrect Mask Usage	Johnson Controls Inc.	WC100
US	Issued	15/205911	10438425	Touch Pad Circuit Board Having Radio Frequency Antenna And Capacitive Touch Pad And Access Control Reader Device Using The Radio Frequency Antenna In Proximity To The Capacitive Touch Pad	Johnson Controls Inc.	WC100
US	Issued	16/205806	11030835	Frictionless Access Control System Providing Ultrasonic User Location	Johnson Controls Inc.	WC100
US	Issued	15/690743	10968669	System And Method For Inductive Power Transfer To Door	Johnson Controls Inc.	WC100
US	Issued	15/690763	10943415	System And Method For Providing Communication Over Inductive Power Transfer To Door	Johnson Controls Inc.	WC100
US	Issued	15/690770	10937262	Door system with power management system and method of operation thereof	Johnson Controls Inc.	WC100
WO	Issued	14/496901	9628688	Security Camera Having A Body Orientation Sensor And Method Of Use	Johnson Controls Inc.	WC100
WO	Pending	PCT/US2015/52045		Security Camera Having A Body Orientation Sensor And Method Of Use	Johnson Controls Inc.	WC100
US	Issued	14/683342	10044932	Wide Angle Fisheye Security Camera Having Offset Lens And Image Sensor	Johnson Controls Inc.	WC100
US	Issued	15/196585	10728585	System And Method For Distributed Video Storage Across Enterprises	Johnson Controls Inc.	WC100
US	Issued	14/802788	9832354	Bubble For Surveillance Camera	Johnson Controls Inc.	WC100
WO	Pending	PCT/US2018/030405		SPACE MANAGEMENT MONITORING AND REPORTING USING VIDEO ANALYTICS	Johnson Controls Inc.	WC100
EP	Pending	18730151		Space Management Monitoring and Reporting Using Video Analytics	Johnson Controls Inc.	WC100
US	Pending	16/606499		Space Management Monitoring and Reporting Using Video Analytics	Johnson Controls Inc.	WC100
US	Issued	15/803988	10643078	Automatic Camera Ground Plane Calibration Method And System	Johnson Controls Inc.	WC100
US	Issued	15/807101	10397619	Camera Data Retention Using Uptime Clocks And Settings	Johnson Controls Inc.	WC100
WO	Pending	PCT/US2018/057305		Frictionless Access Control System Embodying Satellite Cameras For Facial Recognition	Johnson Controls Inc.	WC100
EP	Pending	18800000.4		Frictionless Access Control System Embodying Satellite Cameras For Facial Recognition	Johnson Controls Inc.	WC100
US	Pending	16/753571		Frictionless Access Control System Embodying Satellite Cameras For Facial Recognition	Johnson Controls Inc.	WC100
WO	Pending	PCT/US2018/058971		Methods and System for Controlling Access to Enterprise Resources Based on Tracking	Johnson Controls Inc.	WC100
WO	Pending	PCT/US2018/058976		Methods and System for Distributed Cameras and Demographics Analysis	Johnson Controls Inc.	WC100
WO	Pending	PCT/US2018/058984		Methods And System for Monitoring and Assessing Employee Moods	Johnson Controls Inc.	WC100
WO	Pending	PCT/US2018/058996		Methods And System for Employee Monitoring and Business Rule and Quorum Compliance Monitoring	Johnson Controls Inc.	WC100
EP	Pending	18807180.7		Methods and System for Controlling Access to Enterprise Resources Based on Tracking	Johnson Controls Inc.	WC100
EP	Pending	18807181.5		Methods and System for Distributed Cameras and Demographics Analysis	Johnson Controls Inc.	WC100
US	Pending	16/757129		Methods and System for Controlling Access to Enterprise Resources Based on Tracking	Johnson Controls Inc.	WC100
US	Pending	16/756904		Methods and System for Distributed Cameras and Demographics Analysis	Johnson Controls Inc.	WC100
US	Pending	16/756905		Methods And System for Monitoring and Assessing Employee Moods	Johnson Controls Inc.	WC100

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CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
US	Pending	16/756908		Methods And System for Employee Monitoring and Business Rule and Quorum Compliance Monitoring	Johnson Controls Inc.	WC100
EP	Pending	19155620.8		SYSTEMS AND METHODS OF ELIMINATING VIDEO FLICKER CAUSED BY LED DUTY CYCLING TO MAINTAIN BRIGHTNESS AND CONTROL POWER CONSUMPTION	Johnson Controls Inc.	WC100
US	Pending	16/156806		SYSTEMS AND METHODS OF ELIMINATING VIDEO FLICKER CAUSED BY LED DUTY CYCLING TO MAINTAIN BRIGHTNESS AND CONTROL POWER CONSUMPTION	Johnson Controls Inc.	WC100
EP	Pending	20152562.3		Sensor System Having Transparent Window Contaminant Removal Using Vibration	Johnson Controls Inc.	WC100
US	Pending	16/252287		Sensor System Having Transparent Window Contaminant Removal Using Vibration	Johnson Controls Inc.	WC100
US	Pending	16/700842		Method And System for Enhancing Security Of A Secured Area	Johnson Controls Inc.	WC100
EP	Pending	20158909		Methods and Systems for an Access Control System Using Visual Recognition	Johnson Controls Inc.	WC100
US	Pending	16/798093		Methods and Systems for an Access Control System Using Visual Recognition	Johnson Controls Inc.	WC100
US	Pending	16/996688		Video Analytics Scene Classification And Automatic Camera Configuration Based Automatic Selection Of Camera Profile	Johnson Controls Inc.	WC100
US	Pending	16/996604		Automatic Configuration Of Analytics Rules For A Camera	Johnson Controls Inc.	WC100
EP	Pending	19167959.6		System And Method For Providing Power To Building Management System Components Using Inductive Coupling	Johnson Controls Inc.	WC100
US	Pending	16/376499		System And Method For Providing Power To Building Management System Components Using Inductive Coupling	Johnson Controls Inc.	WC100
US	Pending	62/654763		System And Method For Providing Power To Building Management System Components Using Inductive Coupling	Johnson Controls Inc.	WC100
EP	Pending	19762276.4		System and Method for Controlling Building Management Systems for Scheduled Events	Johnson Controls Inc.	WC100
US	Pending	16/111981		System and Method for Controlling Building Management Systems for Scheduled Events	Johnson Controls Inc.	WC100
PCT	Pending	US2019/046683		System and Method for Controlling Building Management Systems for Scheduled Events	Johnson Controls Inc.	WC100
EP	Pending	19759855		Microphone Arrays	Johnson Controls Inc.	WC100
US	Pending	16/111991		System and method for detecting room occupancy with beamforming microphone arrays	Johnson Controls Inc.	WC100
PCT	Pending	US2019/046689		System and Method for Detecting Room Occupancy with Beamforming Microphone Arrays	Johnson Controls Inc.	WC100
US	Pending	16/111998		Building Management System with Blockchain Ledger	Johnson Controls Inc.	WC100
US	Pending	16/112007		System and Method for Tracking Locations of Students within School Buildings	Johnson Controls Inc.	WC100
US	Pending	16/112014		System and method for tracking students	Johnson Controls Inc.	WC100
EP	Pending	19215497.9		Systems and Methods of Providing Occupant Feedback to Enable Space Optimization within the Building	Johnson Controls Inc.	WC100
US	Issued	16/217242	10876755	Systems and methods of providing occupant feedback to enable space optimization within the building	Johnson Controls Inc.	WC100
US	Pending	17/135107		SYSTEMS AND METHODS OF PROVIDING OCCUPANT FEEDBACK TO ENABLE SPACE OPTIMIZATION WITHIN THE BUILDING	Johnson Controls Inc.	WC100
EP	Pending	20200151300		ULTRA-WIDEBAND (UWB) BEACON AND TAG FOR INDOOR POSITIONING, AND CORRESPONDING POSITIONING METHOD	Johnson Controls Inc.	WC100
US	Issued	16/735322	11026067	Power Efficient Ultra-Wideband (UWB) Tag For Indoor Positioning	Johnson Controls Inc.	WC100
US	Pending	17/314183		Power Efficient Ultra-Wideband (UWB) Tag For Indoor Positioning	Johnson Controls Inc.	WC100
US	Pending	62/791485		Power Efficient Ultra-Wideband (Uwb) Tag For Indoor Positioning	Johnson Controls Inc.	WC100
US	Pending	62/866973		Thermoelectric sensor power	Johnson Controls Inc.	WC100
US	Pending	16/752410		Automating Inspection Using Neural Network	Johnson Controls Inc.	WC100
EU & GB	Issued	008162374-0001	008162374-0001	Mount	Johnson Controls Inc.	WC100

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CTRY	STATUS	APPLN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTRY ID
EU &	Issued	008162374-0002	008162374-0002	Mount	Johnson Controls Inc.	WC100
GB	Issued	008162374-0003	008162374-0003	Mount	Johnson Controls Inc.	WC100
EU &	Issued	008162382-0001	008162382-0001	Mount	Johnson Controls Inc.	WC100
US	Pending	17/210276		Mount	Johnson Controls Inc.	WC100
EU &	Issued	008162382-0002	008162382-0002	Mount	Johnson Controls Inc.	WC100
GB	Issued	008162382-0003	008162382-0003	Mount	Johnson Controls Inc.	WC100
EU &	Issued	008162382-0004	008162382-0004	Mount	Johnson Controls Inc.	WC100
GB	Issued	29/727218		Mount	Johnson Controls Inc.	WC100
EU &	Issued	006730818-0001	0067308-0001	Camera Housing	Johnson Controls Inc.	WC100
GB	Issued	29/631180	D890834	Camera Housing	Johnson Controls Inc.	WC100
EU &	Issued	006730826-0001	006730826-0001	Wall mounts	Johnson Controls Inc.	WC100
GB	Issued	29/681224	D8929095	Mount	Johnson Controls Inc.	WC100
EP	Allowed	16847089.6		Device Enabled Identity Authentication	Johnson Controls Inc.	WC100
US	Issued	15/173775	10380521	Predicting Service For Intrusion And Alarm Systems Based On Signal Activity Patterns	Johnson Controls Inc.	WC100
US	Issued	15/220126	10460590	Method And System For Mobile Dursess Alarm	Johnson Controls Inc.	WC100
DE	Issued	14/750847.7	3025460	Method And System For Self-Discovery And Management Of Wireless Security Devices	Johnson Controls Inc.	WC100
FR	Issued	14/750847.7	3025460	Method And System For Self-Discovery And Management Of Wireless Security Devices	Johnson Controls Inc.	WC100
GB	Issued	14/750847.7	3025460	Method And System For Self-Discovery And Management Of Wireless Security Devices	Johnson Controls Inc.	WC100
US	Issued	13/952306	9384611	Method and system for self-discovery and management of wireless security devices	Johnson Controls Inc.	WC100
US	Published	15/174209		Method And System For Self-Discovery And Management Of Wireless Security Devices	Johnson Controls Inc.	WC100
WO	Published	PCT/US2014/047530		Method And System For Self-Discovery And Management Of Wireless Security Devices	Johnson Controls Inc.	WC100
US	Issued	14/604902	9378633	System To Provide A Security Technology And Management Portal	Johnson Controls Inc.	WC100
US	Issued	15/164163	9984295	Method to provide a security technology and management portal	Johnson Controls Inc.	WC100
US	Issued	15/989254	10650248	SYSTEMS AND METHODS OF ENABLING BLOCKCHAIN-BASED BUILDING AUTOMATION SYSTEMS	Johnson Controls Inc.	WC100
WO	Published	PCT/IB2019/059243			Johnson Controls Inc.	WC100
WO	Published	PCT/US17/048604		Architecture For Access Management	Johnson Controls Inc.	WC100
US	Issued	15/594750	10475272	Architecture For Access Management	Johnson Controls Inc.	WC100
WO	Published	PCT/US17/48798		Architecture For Access Management	Johnson Controls Inc.	WC100
US	Issued	15/594861	10055926	Architecture For Access Management	Johnson Controls Inc.	WC100
US	Issued	16/105462	10685526	Architecture for Access Management	Johnson Controls Inc.	WC100
WO	Published	PCT/US2017/048998		Architecture For Access Management	Johnson Controls Inc.	WC100
WO	Published	15/594826	10692321	Architecture For Access Management	Johnson Controls Inc.	WC100
WO	Published	PCT/US2017/049006		Architecture For Access Management	Johnson Controls Inc.	WC100
US	Issued	15/595818	11010754	Architecture For Access Management	Johnson Controls Inc.	WC100
WO	Published	PCT/US2017/049277		Architecture For Access Management	Johnson Controls Inc.	WC100
US	Issued	15/596028	9858781	Architecture For Access Management	Johnson Controls Inc.	WC100
US	Issued	15/822300	10475273	Architecture for Access Management	Johnson Controls Inc.	WC100
US	Issued	16/589610	10636240	Architecture for Access Management	Johnson Controls Inc.	WC100

Schedule B-1 Johnson Controls, Inc.

CITY	STATUS	APPL. #	PATENT #	TITLE	ASSIGNEE (Johnson Controls, Inc.)	ENTITY ID
WO	Published	PCT/US17/49274		Architecture For Access Management	Johnson Controls Inc.	WC100
US	Issued	15/253314	10606224	Device Enabled Identity Authentication	Johnson Controls Inc.	WC100
WO	Published	PCT/US2016/050863		Device Enabled Identity Authentication	Johnson Controls Inc.	WC100
CA	Published	2997/95.4		Device Enabled Identity Authentication	Johnson Controls Inc.	WC100
CN	Published	201680060680.3		Device Enabled Identity Authentication	Johnson Controls Inc.	WC100
US	Issued	13/159217	8970349	System To Provide A Security Technology And Management Portal	Johnson Controls Inc.	WC100
US	Issued	16/292551	11004326	System and Method For Monitoring a Location	Johnson Controls Inc.	WC100
CA	Issued	2425855	2425855	A Method Of Searching Recorded Digital Video For Areas Of Activity	Johnson Controls Inc.	WC100
EP	Published	15760669.0		False Alarm Avoidance In Security Systems	Johnson Controls Inc.	WC100
US	Issued	14/202023	9466189	False Alarm Avoidance In Security Systems	Johnson Controls Inc.	WC100
EP	Published	15761601.2		False Alarm Avoidance In Security Systems Filtering Low In Network	Johnson Controls Inc.	WC100
US	Issued	14/202026	9384656	False Alarm Avoidance In Security Systems Filtering Low In Network	Johnson Controls Inc.	WC100
US	Issued	15/201740	10147307	False Alarm Avoidance In Security Systems Filtering Low In Network	Johnson Controls Inc.	WC100
US	Issued	14/177432	10068077	Method And Apparatus For Authenticating Security System Users And Unlocking Selected Feature Sets	Johnson Controls Inc.	WC100
US	Allowed	14/516651		Drone Tours In Security Systems	Johnson Controls Inc.	WC100
EP	Published	15784001.8		Drone Tours In Security Systems	Johnson Controls Inc.	WC100
DE	Issued	15720569.1	602015029284.7	Fixed Drone Visualization In Security Systems	Johnson Controls Inc.	WC100
FR	Issued	15720569.1	3207435	Fixed Drone Visualization In Security Systems	Johnson Controls Inc.	WC100
GB	Issued	15720569.1	3207435	Fixed Drone Visualization In Security Systems	Johnson Controls Inc.	WC100
US	Issued	14/516671	10301018	Fixed Drone Visualization In Security Systems	Johnson Controls Inc.	WC100
US	Issued	14/177398	9824514	Applying Geographical Limitations To Control Actions Of A Security System	Johnson Controls Inc.	WC100
EP	Published	15748576.4		Applying Geographical Limitations To Control Actions Of A Security System	Johnson Controls Inc.	WC100
US	Published	16/274066		Fixed Drone Visualization In Security Systems	Johnson Controls Inc.	WC100
EP	Allowed	15749323.0		Method And Apparatus For Authenticating Security System Users And Unlocking Selected Feature Sets	Johnson Controls Inc.	WC100

SCHEDULE 2
ASSIGNED COPYRIGHTS

Copyright Registrations

[See Exhibit B]

Johnson Controls, Inc.

EXHIBIT B - Preliminary

Company Intellectual Property

Schedule 1 – Patents

Attached as Schedule B-1

Schedule 2 – Copyright Registrations

U.S. Copyright Registration	Title	Registration Date	Owner
USCOPYRIGHT TX 006907225	JCI PWM Energy tracker tool.	December 10, 2008	Johnson Controls, Inc.
USCOPYRIGHT V/Au000616613	Menahga Public Schools, Independent School District No. 821, classroom addition, Menahga, Minnesota : project no. 04016.	May 18, 2004	Johnson Controls, Inc.
USCOPYRIGHT V/Au000616612	Menahga Public Schools, Independent School District No. 821, classroom addition, Menahga, Minnesota : project no. 04016.	May 18, 2004	Johnson Controls, Inc.
USCOPYRIGHT TX 005872616	LBS source code.	May 18, 2004	Johnson Controls, Inc.
USCOPYRIGHT TX 005785798	[Metasys system extended architecture]	November 19, 2003	Johnson Controls, Inc.
USCOPYRIGHT TXu001080967	Johnson Controls, Inc., legal homepage.	August 05, 2003	Johnson Controls, Inc.
USCOPYRIGHT V/Au000464956	Building for a great future Willow River Elementary rejuvenation project.	April 24, 2002	Johnson Controls, Inc.
USCOPYRIGHT V/Au000464955	Willow River phasing plan.	December 20, 2001	Johnson Controls, Inc.
USCOPYRIGHT TXu001008399	Willow River Elementary School building assessment & improvement recommendations.	December 20, 2001	Johnson Controls, Inc.
USCOPYRIGHT TX 004822793	Building environments : HVAC systems / Alan J. Zajac.	December 20, 2001	Johnson Controls, Inc.
USCOPYRIGHT TXu000746337	Advanced Installation Management (AIM) Tools rel. 2.1.	July 02, 1998	Johnson Controls, Inc.
USCOPYRIGHT TXu000682653	EFACT II.	June 21, 1996	Johnson Controls, Inc.
USCOPYRIGHT TXu000617467	JC Calcs : rev. 1.0E.	April 26, 1996	Johnson Controls, Inc.
USCOPYRIGHT TX 003924273	JC Calcs : rev. 1.0E.	February 13, 1995	Johnson Controls, Inc.
USCOPYRIGHT TX 003945581	Network integration services.	February 13, 1995	Johnson Controls, Inc.
USCOPYRIGHT TX 003423666	METASYS : release 4.0.	November 25, 1994	Johnson Controls, Inc.
USCOPYRIGHT TXu000509175	DSC-XLA.	November 02, 1992	Johnson Controls, Inc.
USCOPYRIGHT TXu000509174	DSC-XLA.	March 18, 1992	Johnson Controls, Inc.
USCOPYRIGHT TXu000509174	DSC-XLA.	March 18, 1992	Johnson Controls, Inc.

U.S. Copyright Registration	Title	Registration Date	Owner
USCOPYRIGHT TXu000509156	DSC-XLA.	March 18, 1992	Johnson Controls, Inc.
USCOPYRIGHT TX 003274432	[JCI CAD D symbol library]	March 18, 1992	Johnson Controls, Inc.
USCOPYRIGHT TX 003434674	METASYS.	October 30, 1992	Johnson Controls, Inc.
USCOPYRIGHT TXu000408043	Working with your advertising agency : are you shortchanging your firm's marketing effectiveness? / by Bruce Fassett.	March 15, 1990	Johnson Controls, Inc.
USCOPYRIGHT VA 000357418	Excellence in customer satisfaction.	July 11, 1989	Johnson Controls, Inc.
USCOPYRIGHT TX 003273548	DSC-XLA (parm)	March 18, 1992	Johnson Controls, Inc.
USCOPYRIGHT TX 003273551	DSC-XLA : release A.42.	March 18, 1992	Johnson Controls, Inc.
USCOPYRIGHT TX 001843692	PRG-C500D-1.	May 23, 1986	Johnson Controls, Inc.
USCOPYRIGHT TX 003268124	[DSC-XLA, revision A 4.1]	March 13, 1992	Johnson Controls, Inc.
USCOPYRIGHT TX 001911923	PRG-C500D-1. By Johnson Controls, Inc.	September 15, 1986	Johnson Controls, Inc.
USCOPYRIGHT TX 001911922	PRG-C500E-2. By Johnson Controls, Inc.	September 15, 1986	Johnson Controls, Inc.
USCOPYRIGHT TX 001871429	PRG-C500F-1.	June 02, 1986	Johnson Controls, Inc.
USCOPYRIGHT TX 001840425	PRG-C500E-2.	June 02, 1986	Johnson Controls, Inc.
USCOPYRIGHT TX 003270323	[DSC-XLA].	March 18, 1992	Johnson Controls, Inc.
USCOPYRIGHT TX 001871435	PRG-C500C-1.	June 02, 1986	Johnson Controls, Inc.
USCOPYRIGHT TX 001871434	PRG-C500E-1.	June 02, 1986	Johnson Controls, Inc.
USCOPYRIGHT TXu000189201	JC-5000 process control system.	April 09, 1985	Johnson Controls, Inc.
USCOPYRIGHT TX 001660525	Johnson Controls Counterline product catalog. By Johnson Controls, Inc.	May 17, 1985	Johnson Controls, Inc.
USCOPYRIGHT TX 001554064	Digital to proportional interface : PRG-N500-1.	April 08, 1985	Johnson Controls, Inc.
USCOPYRIGHT CSN0059431 1984	Johnson Controls : control products catalog : including Penn and Baso control products for heating, air conditioning, and refrigeration in commercial, industrial, and residential applications.		Johnson Controls, Inc.
USCOPYRIGHT VA 000226870	Structural induction bending.	May 30, 1986	Johnson Controls, Inc.
USCOPYRIGHT TX 001517022	Johnson Controls Counterline product catalog.	February 08, 1985	Johnson Controls, Inc.
USCOPYRIGHT TX 001365799	Custom programmed maintenance.	July 17, 1984	Johnson Controls, Inc.
USCOPYRIGHT TX 001133093	Counterline.	June 08, 1983	Johnson Controls, Inc.
USCOPYRIGHT TX 000529538	Integrated systems for correctional facilities : [publication no. 1174]	August 18, 1980	Johnson Controls, Inc.
USCOPYRIGHT TX 000529539	EPAK : calculations to determine potential energy savings : [publication no. 1177]	August 18, 1980	Johnson Controls, Inc.
USCOPYRIGHT TX 000529540	The Systems company : [publication no. 2101]	August 18, 1980	Johnson Controls, Inc.
USCOPYRIGHT TX 000508496	Fire management for high rise office buildings : a cost-effective means of compliance with national	July 14, 1980	Johnson Controls, Inc.

U.S. Copyright Registration	Title	Registration Date	Owner
USCOPYRIGHT TX 000493854	and local codes. Systems Engineering & Construction Division : Johnson Controls.	June 16, 1980	Johnson Controls, Inc.
USCOPYRIGHT TX 000528627	Now you can own your own small-building automation system / Fred Brengel.	August 01, 1980	Johnson Controls, Inc.
USCOPYRIGHT TX 000528629	George Jacobi tells how the new Johnson Controls JC/85 gives your clients total control of buildings as small as 50,000 square feet.	August 01, 1980	Johnson Controls, Inc.
USCOPYRIGHT TX 000461367	How Johnson Controls give Jack Fishburn total control of Rolling Hills Country Club.	April 28, 1980	Johnson Controls, Inc.
USCOPYRIGHT TX 000450655	How Johnson Controls gives Jack Fishburn total control of Rolling Hills Country Club.	March 27, 1980	Johnson Controls, Inc.
USCOPYRIGHT TX 000442000	Control panels, consoles, and instrumentation : a unique capability where your special panel requirements are our standard offering.	March 28, 1980	Johnson Controls, Inc.
USCOPYRIGHT TX 000431335	Energy manager thermostats, a new direction in controlling energy efficiency : [publication no. 1172].	March 11, 1980	Johnson Controls, Inc.
USCOPYRIGHT TX 000450656	How Johnson Controls give Mac McCarthy total control of the State Fund Building.	March 27, 1980	Johnson Controls, Inc.
USCOPYRIGHT TX 000434972	Energy monitoring and control system (E M C S) San Bruno : contract number N62474-75-C-6547 : training manual, operating and maintenance manual : document no. TNG-90-SB-07-00.	March 18, 1980	Johnson Controls, Inc.
USCOPYRIGHT TX 000399405	We keep on working even after you lock the door at night : [publication no. 2098].	January 21, 1980	Johnson Controls, Inc.
USCOPYRIGHT TX 000394510	You'll sleep better tonight knowing your family is safe.	January 14, 1980	Johnson Controls, Inc.
USCOPYRIGHT TX 000387210	JC/85/10 energy management system.	December 11, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000384280	JC/85/40 building automation system.	December 26, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000346495	Food processing instrumentation : [publication no. 1171].	October 16, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000343705	JC/80 building automation system : a multi- disciplined management tool.	October 12, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000358987	How Johnson controls gives John Crowley total control of Saint Johns Hospital.	October 24, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000301119	John Schade tells how Johnson Controls give you total control for Federal energy grants.	July 23, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000293883	How Johnson Controls gives Helmut Herbrechtsmeier total control of M G M Grand Hotel-Reno.	June 28, 1979	Johnson Controls, Inc.

U.S. Copyright Registration	Title	Registration Date	Owner
USCOPYRIGHT TX 000293882	How Johnson Controls gives Doctor Barry Farnham total control of Briarcliff High School.	June 28, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000231879	How Johnson Controls gives Dominick Vella total control of the United Cerebral Palsy Center.	April 24, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000280657	How Johnson Controls gives Superintendent Zaccarine total control of the Elmira School District.	June 21, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000256446	How Johnson Controls gives Jim Markin total control of Beni. Franklin Plaza.	May 30, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000224219	How Johnson Controls gives Jim Markin total control of Benjamin Franklin Plaza.	March 20, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000219543	Sound and communication systems : [publication no. 2089].	March 28, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000252296	How Johnson Controls gives Father Moeller total control of Saint Elizabeth's.	April 19, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000205365	How Johnson Controls gives Charles Duggan total control of State Life.	March 13, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000255445	Schools and hospitals energy conservation grants program : Federal energy programs.	February 25, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000205366	How Johnson Controls gives Father Moeller total control of Saint Elizabeth's.	March 13, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000197370	Energy conservation control : an ideabook to help you save energy dollars.	February 26, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000278470	Fire management : an ideabook that shows how your building can manage fires and save lives. Automatically.	June 13, 1979	Johnson Controls, Inc.
USCOPYRIGHT TX 000194913	Time-shared automated building service/tabs : [publication no. 2087].	November 03, 1978	Johnson Controls, Inc.
USCOPYRIGHT TX 000156730	Branch office public relations guidebook : publication no. 2086.	November 01, 1978	Johnson Controls, Inc.
USCOPYRIGHT TX 000025406	Plug-in energy management : Johnson Controls P L U S 4000 : [publication no. 1166].	April 06, 1978	Johnson Controls, Inc.
USCOPYRIGHT TX 000018216	Div. 16 : communication and protective systems : an idea book that explains how Johnson Controls can help electrical contractors maximize profits : [publication no. 2071].	March 29, 1978	Johnson Controls, Inc.
USCOPYRIGHT TX 000025427	A Matter of life safety or death : 25 ways to check up on your building's fire and security systems.	April 10, 1978	Johnson Controls, Inc.
USCOPYRIGHT TX 000018215	Diagnosing an ailing hospital : 10 simple symptoms of a hospital that's wasting energy : [publication no. 2079].	March 29, 1978	Johnson Controls, Inc.

U.S. Copyright Registration	Title	Registration Date	Owner
USCOPYRIGHT TX 000018214	Is your building secretly wasting away? : 8 quick checks that will tell you if your systems are heading for breakdown : [publication no. 2084].	March 29, 1978	Johnson Controls, Inc.
USCOPYRIGHT TX 000018213	Readin', writin', and energy waste : 10 quick ways to tell if your school deserves a passing grade in energy conservation : [publication no. 2083].	March 29, 1978	Johnson Controls, Inc.
USCOPYRIGHT TX 000018212	Uncovering energy waste : 10 do-it-yourself spot checks you can make in half an hour to save thousands of dollars : [publication no. 2082].	March 29, 1978	Johnson Controls, Inc.
USCOPYRIGHT TX 000018208	Keeping your property prime : 48 things your building must do to stay ahead of the competition : [publication no. 2078].	March 29, 1978	Johnson Controls, Inc.
USCOPYRIGHT TX 000018207	An RX for hospital fire and security systems : 25 ways your patients and staff should be protected now : [publication no. 2081].	March 29, 1978	Johnson Controls, Inc.
USCOPYRIGHT TX 000018206	The ABC's of school life safety : 25 ways to evaluate your school's fire and security systems : [publication no. 2080].	March 29, 1978	Johnson Controls, Inc.
USCOPYRIGHT TX 000018211	Building automation comes to the smaller building : to save energy dollars : [publication no. 2077].	March 29, 1978	Johnson Controls, Inc.
USCOPYRIGHT TX 000018209	Johnson Controls can help your energy over-indulgent building save up to 25% per year : [publication no. 2075].	March 29, 1978	Johnson Controls, Inc.
USCOPYRIGHT TX 000018210	Automated controls and energy management in multi-performance industrial complexes : an idea book to help your industrial buildings save energy and money without sacrificing production : [publication no. 2076].	March 29, 1978	Johnson Controls, Inc.
USCOPYRIGHT TXu001895485	Truesite Workstation 3.02.	December 16, 2013	Johnson Controls, Inc.
USCOPYRIGHT TXu001861687	TrueSTART Analyzer II PCC firmware 1.01.	April 04, 2013	Johnson Controls, Inc.
USCOPYRIGHT TXu001861359	4100ES Master 2.01.	April 03, 2013	Johnson Controls, Inc.
USCOPYRIGHT TXu001861355	TSL Analyzer 2.01.01.	April 03, 2013	Johnson Controls, Inc.
USCOPYRIGHT TXu001861350	TrueSTART Analyzer II Firmware.	April 03, 2013	Johnson Controls, Inc.
USCOPYRIGHT TXu001861345	TrueSTART Analyzer II Bootloader.	April 03, 2013	Johnson Controls, Inc.
USCOPYRIGHT TXu001854148	EPS Boot Loader 1.02.	February 25, 2013	Johnson Controls, Inc.
USCOPYRIGHT TXu001854144	EPS 1.02.	February 25, 2013	Johnson Controls, Inc.
USCOPYRIGHT TXu001854142	ITCC Boot Loader 1.02.	February 25, 2013	Johnson Controls, Inc.
USCOPYRIGHT TXu001854124	ITCC 1.02.	February 25, 2013	Johnson Controls, Inc.

U.S. Copyright Registration	Title	Registration Date	Owner
USCOPYRIGHT TXu001854114	DCAI Short Circuit CPU 1.01.	February 25, 2013	Johnson Controls, Inc.
USCOPYRIGHT TXu001854107	DCAI MAIN CPU 1.01.	February 25, 2013	Johnson Controls, Inc.
USCOPYRIGHT TXu001854106	NXNA Repeater 1.01.	February 25, 2013	Johnson Controls, Inc.
USCOPYRIGHT TXu001854105	NXNA Hornstrobe 1.02.	February 25, 2013	Johnson Controls, Inc.
USCOPYRIGHT TXu001854104	NXNA Hornstrobe Bootloader 1.01.	February 25, 2013	Johnson Controls, Inc.
USCOPYRIGHT TXu001827498	TrueSITE Workstation 3.01.	September 04, 2012	Johnson Controls, Inc.
USCOPYRIGHT TXu001827497	Network Programmer 1.5.	September 04, 2012	Johnson Controls, Inc.
USCOPYRIGHT TXu001832784	Programmer NetSync 1.03.	June 11, 2012	Johnson Controls, Inc.
USCOPYRIGHT TXu001832769	NXNA Hornstrobe notification device.	June 11, 2012	Johnson Controls, Inc.
USCOPYRIGHT TXu001817128	EPS Slave.	June 11, 2012	Johnson Controls, Inc.
USCOPYRIGHT TXu001817125	4100/4014 ES 1.03 Master.	June 11, 2012	Johnson Controls, Inc.
USCOPYRIGHT TXu001815928	IDNET1+ Slave.	June 11, 2012	Johnson Controls, Inc.
USCOPYRIGHT TXu001832780	Network System Integrator.	May 02, 2012	Johnson Controls, Inc.
USCOPYRIGHT TXu001832773	TCP/IP Physical Bridge.	May 02, 2012	Johnson Controls, Inc.
USCOPYRIGHT TXu001832767	Modem Bridge.	May 02, 2012	Johnson Controls, Inc.
USCOPYRIGHT TX 007519736	TrueSite Workstation 2.04.	March 21, 2012	Johnson Controls, Inc.
USCOPYRIGHT TX 007469559	4100ES Master Code.	November 16, 2011	Johnson Controls, Inc.
USCOPYRIGHT TX 007469555	BNIC 1.01.02.	November 16, 2011	Johnson Controls, Inc.
USCOPYRIGHT TX 007453631	TrueSite Workstation 2.03.	September 22, 2011	Johnson Controls, Inc.
USCOPYRIGHT TX 007383152	TrueSite Workstation 2.02.	March 29, 2011	Johnson Controls, Inc.
USCOPYRIGHT TX 007321211	4100U MX Digital Loop Card.	September 16, 2010	Johnson Controls, Inc.
USCOPYRIGHT TX 007168304	TrueSite Workstation 2.01.	January 11, 2010	Johnson Controls, Inc.
USCOPYRIGHT TX 006977930	[No title on deposit.]	January 11, 2008	Johnson Controls, Inc.
USCOPYRIGHT TX 006977933	[No title on deposit.]	January 11, 2008	Johnson Controls, Inc.
USCOPYRIGHT TX 006210246	Fire panel configuration & control software : version 8.04 / author, Marty Steinberg.	September 23, 2005	Johnson Controls, Inc.
USCOPYRIGHT TX 006190136	Fire panel configuration & control software : version 11.01.	July 29, 2005	Johnson Controls, Inc.
USCOPYRIGHT TX 006194912	Fire panel configuration & control software : version 10.01.	July 29, 2005	Johnson Controls, Inc.
USCOPYRIGHT V 00352655100000	Fire panel configuration & control software, version 9.02 & 2 other titles: software.		Johnson Controls, Inc.
USCOPYRIGHT V 00352655100000	Fire panel configuration & control software, version 9.02 & 2 other titles: software.		Johnson Controls, Inc.
USCOPYRIGHT TXu002095896	The Sensormatic Global Shrink Index.	April 27, 2018	Johnson Controls, Inc.
USCOPYRIGHT V Au001116499	S Logo.	September 12, 2012	Johnson Controls, Inc.
USCOPYRIGHT V Au001116496	Hand Logo Design.	September 12, 2012	Johnson Controls, Inc.

U.S. Copyright Registration	Title	Registration Date	Owner
USCOPYRIGHT TX 007631718	CCURE 800/8000 Security System Version 10.3.0.	December 05, 2012	Johnson Controls, Inc.
USCOPYRIGHT TX 007631707	CCURE 800/8000 Security System Version 10.2.0.	December 05, 2012	Johnson Controls, Inc.
USCOPYRIGHT TX 007473413	CCURE 9000 Security System Version 2.02.	November 10, 2011	Johnson Controls, Inc.
USCOPYRIGHT TX 007466928	CCURE 9000 Security System Version 2.01.	November 09, 2011	Johnson Controls, Inc.
USCOPYRIGHT TX 007400529	CCURE 800/8000 Security System Version 10.1.0.	May 24, 2011	Johnson Controls, Inc.
USCOPYRIGHT TX 007451724	CCURE 9000 Security System Version 1.93.	September 20, 2011	Johnson Controls, Inc.
USCOPYRIGHT TX 007390047	CCURE 800/8000 Security System Version 10.0.0.	April 21, 2011	Johnson Controls, Inc.
USCOPYRIGHT V/A 001698889	Circle Device with Curves.	January 07, 2010	Johnson Controls, Inc.
USCOPYRIGHT TX 007451766	CCURE 9000 Security System Version 1.92.	September 20, 2011	Johnson Controls, Inc.
USCOPYRIGHT TX 006605242	Ultra post configurator 6.41.	June 21, 2007	Johnson Controls, Inc.
USCOPYRIGHT TX 001748456	Sensormatic : profits through merchandise preservation.	February 03, 1986	Johnson Controls, Inc.
USCOPYRIGHT TX 001678515	From the leader in loss prevention : Calculating your return on an investment with Sensormatic.	October 17, 1985	Johnson Controls, Inc.

Schedule 3 – Software

1. Metasys
 - a. Metasys (including but not limited to Launcher)
2. OpenBlue
 - a. OpenBlue Active Responder
 - b. OpenBlue Companion (hosted/public cloud based)
 - c. OpenBlue Companion (on prem/private cloud)
 - d. OpenBlue Enterprise Manager
 - i. PPT Installer
 - e. OpenBlue Enterprise Manager- Gateway Hardware
 - f. OpenBlue Location Manager Social Distance Monitoring and Contact Tracing
 - g. OpenBlue Location Manager Space and Workflow Advisor
 - h. OpenBlue Location Manager Intelligent Laboratories
 - i. OpenBlue Plant Optimizer (on prem/private cloud)
 - j. OpenBlue Plant Optimizer (hosted/public cloud based)
 - k. OpenBlue Plant Simulator
 - l. OpenBlue Plant Monitor
 - m. OpenBlue Twin

- n. OpenBlue Cloud
 - o. OpenBlue Bridge
 - p. OpenBlue Risk Insight
- 3. Programmable Advanced Terminal Unit Controller
- 4. Configurable Advanced Terminal Unit Controller
- 5. BCPro
- 6. C•CURE
- 7. Cloudvue
- 8. ES Touch Screen Display (ESTSD)
- 9. False Alarm Reduction Services
- 10. Mobile Access Portal Gateway (including but not limited to TL, YK, WNC)
- 11. Fume Hood Controllers
- 12. Lighting Controls
- 13. Room Pressure Monitors
- 14. Room Pressure Controllers
- 15. Venturi Air Valves
- 16. Connected Equipment and Connected Chiller
- 17. Johnson Controls Field and Equipment Controllers
- 18. MAP Update Tool (MUT)
- 19. NS Series Network Sensors
- 20. PENN® Refrigeration Controls
- 21. System Configuration Editions
- 22. PENN Connected Refrigeration
- 23. PENN Connected Food Safety
- 24. Room Module (SCI20 Models) / SCI20 温控器
- 25. SafelINC
- 26. Software Activation Manger (SAM)
- 27. Suppression Design Center (SDC)
- 28. TEC Thermostat Controllers
- 29. True Insight
- 30. TrueSite Workstation Software Maintenance Agreement
- 31. Verays Smart Building Hub
- 32. Verays Enterprise
- 33. Xaap Inspection Software Service