

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

Assignment ID: PATI851875

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
SEQUENCE:	1	
CONVEYING PARTY DATA		
	Name	Execution Date
	Johnson Controls Fire Protection LP	08/06/2021
RECEIVING PARTY DATA		
Company Name:	Johnson Controls US Holdings, Inc.	
Street Address:	5757 N GREEN BAY AVE	
City:	MILWAUKEE	
State/Country:	WISCONSIN	
Postal Code:	53209	
PROPERTY NUMBERS Total: 3		
	Property Type	Number
	Application Number:	12530241
	Application Number:	16340024
	Application Number:	17430176
CORRESPONDENCE DATA		
Fax Number:		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	4014431097	
Email:	EFROSYNI.IOSIPHIDIS@JCI.COM	
Correspondent Name:	Ms. EFROSYNI IOSIPHIDIS	
Address Line 1:	1467 ELMWOOD AVE	
Address Line 4:	CRANSTON, RHODE ISLAND 02910	
ATTORNEY DOCKET NUMBER:	FDT JCFIRE TO JCTIPH	
NAME OF SUBMITTER:	Efrosyni Iosiphidis	
SIGNATURE:	/Efrosyni Iosiphidis/	
DATE SIGNED:	02/27/2025	
Total Attachments: 27		
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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 Central Time P.M. (the “**Effective Date**”), by and among Johnson Controls Fire Protection LP, a Delaware Limited Partnership, located at 6600 Congress Avenue, Boca Raton, Florida 33487 (“**Johnson Controls Fire Protection**”), Johnson Controls US Holdings LLC, a Delaware Limited Liability Company, located at 5757 N. Green Bay Avenue, Milwaukee, Wisconsin 53209 (“**US Holdings**”), Johnson Controls, Inc., a Wisconsin Corporation, located at 5757 N. Green Bay Avenue, 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, US Holdings is the purchaser of certain assets of Johnson Controls Fire Protection (the “**Transferred Assets**”) pursuant to the Asset Purchase Agreement between Johnson Controls Fire Protection, on the one hand, and US Holdings, on the other, dated effective as of June 17, 2021 at 5:00 P.M. Central Time (the “**Purchase Agreement**”);

WHEREAS, JCI is the subsequent acquirer of the Transferred Assets from US Holdings pursuant to the Amended and Restated Contribution Agreement between JCI, on the one hand, and US Holdings, on the other, effective as of June 17, 2021 at 5:01 P.M. Central Time (the “**JCI Contribution Agreement**”);

WHEREAS, JCTIPH is the subsequent acquirer of the Transferred Assets from JCI 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 Purchase Agreement, the JCI Contribution Agreement, and the JCTIPH Contribution Agreement, Johnson Controls Fire Protection, US Holdings, and JCI have conveyed, transferred, and assigned certain intellectual property among the Transferred Assets for ultimate 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 Johnson Controls Fire Protection to US Holdings.

(a) For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Johnson Controls Fire Protection hereby irrevocably conveys, transfers, and assigns to US Holdings, and US Holdings hereby accepts, all of Johnson Controls Fire Protection’ right, title, and 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 Purchase Agreement. Johnson Controls Fire Protection and US Holdings acknowledge and agree that this IP Assignment is entered into pursuant to the Purchase Agreement, to which reference is made for a further statement of the rights and obligations of Johnson Controls Fire Protection and US Holdings with respect to the Assigned IP. The representations, warranties, covenants, agreements, and indemnities contained in the Purchase 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 Purchase Agreement and the terms hereof, the terms of the Purchase Agreement shall govern.

2. Assignment from US Holdings to JCI.

(a) Subsequent to the assignment set forth in Section 1 and for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, US Holdings hereby irrevocably conveys, transfers, and assigns to JCI, and JCI hereby accepts, all of US Holdings’ right, title, and interest in and to the Assigned IP.

(b) Terms of the JCI Contribution Agreement. US Holdings and JCI acknowledge and agree that this IP Assignment is entered into pursuant to the JCI Contribution Agreement, to which reference is made for a further statement of the rights and obligations of US Holdings and JCI with respect to the Assigned IP. The representations, warranties, covenants, agreements, and indemnities contained in the JCI 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 JCI Contribution Agreement and the terms hereof, the terms of the JCI Contribution Agreement shall govern.

3. Assignment from JCI to JCTIPH.

(a) Subsequent to the assignment set forth in Section 2 and 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 Assigned IP.

(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.

4. 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.

5. 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.

6. 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.

7. Governing Law. This IP Assignment shall be construed and interpreted according to the laws of the State of Wisconsin, 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 Fire Protection LP

Johnson Controls US Holdings LLC

By Tracy Long

By _____

Name: Tracy Long

Name: Marc Vandiepenbeeck

Title: President

Title: Manager

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.

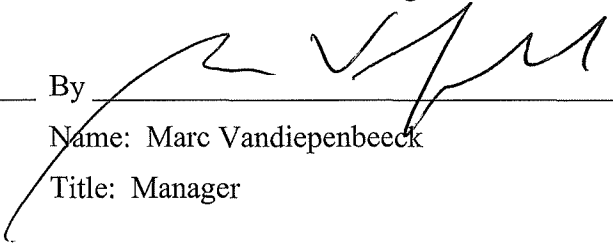
Johnson Controls Fire Protection LP

Johnson Controls US Holdings LLC

By _____

Name: Tracy Long

Title: President

By  _____

Name: Marc Vandiepenbeeck

Title: Manager

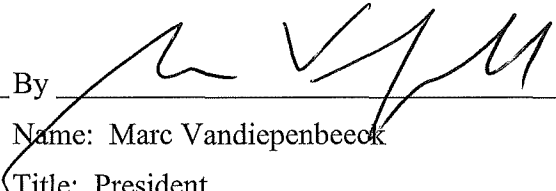
Johnson Controls, Inc.

Johnson Controls Tyco IP Holdings LLP

By _____

Name: Richard Dancy

Title: Vice President

By  _____

Name: Marc Vandiepenbeeck

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 Fire Protection LP

Johnson Controls US Holdings LLC

By _____

By _____

Name: Tracy Long

Name: Marc Vandiepenbeeck

Title: President

Title: Manager

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 Fire Protection LP

CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
US	Issued	13/173032	8/797157	System And Method For Monitoring Usage And Predicting Failure Of Visual Notification Appliances	ADI Deutschland GmbH, Johnson Controls Fire Protection LP	DE1026;US1116
AE	Issued	D6000314/2017	4916	Base Sounder	Johnson Controls Fire Protection LP	US1116;
AE	Issued	D6000315/2017	4917	Design of a Detector Base with Sounder/Visual Indicator/Visual Alarm	Johnson Controls Fire Protection LP	US1116;
AE	Issued	D6000316/2017	4912	Design of a Detector Base with Sounder/Visual Indicator/Visual Alarm	Johnson Controls Fire Protection LP	US1116;
AU	Pending	201713026		Unknown Title	Johnson Controls Fire Protection LP	US1116;
AU	Pending	201713028		Unknown Title	Johnson Controls Fire Protection LP	US1116;
AU	Pending	201713029		Unknown Title	Johnson Controls Fire Protection LP	US1116;
AU	Published	2016335360		Smoke Detector Tester	Johnson Controls Fire Protection LP	US1116;
AU	Published	2017250616		Fire Detection System With Automatic Firmware Updating	Johnson Controls Fire Protection LP	US1116;
AU	Published	2017250617		Fire Detection System With Distributed File System	Johnson Controls Fire Protection LP	US1116;
AU	Published	2017264912		System And Method For Providing Temporary Power To Intermitent Units	Johnson Controls Fire Protection LP	US1116;
AU	Published	2017342054	2017342054	Smoke Detector Remote Test Apparatus	Johnson Controls Fire Protection LP	US1116;
AU	Published	2018226504		Chamberless Smoke Detector	Johnson Controls Fire Protection LP	US1116;
AU	Published	2018271365		Power Supply Ripple Detector	Johnson Controls Fire Protection LP	US1116;
BR	Published	BR112018070911-5		Fire detection system with automatic firmware update	Johnson Controls Fire Protection LP	US1116;
BR	Published	BR112018070930-1		Fire Detection System With Distributed File System	Johnson Controls Fire Protection LP	US1116;
CA	Published		3018298	Fire Detection System With Automatic Firmware Updating	Johnson Controls Fire Protection LP	US1116;
CA	Published		3018301	Fire Detection System With Distributed File System	Johnson Controls Fire Protection LP	US1116;
CA	Published	3091318		Gunshot Detection System Anti-Tampering Protection	Johnson Controls Fire Protection LP	US1116;
CA	Published	3091327		Gunshot Detection System with Ambient Noise Modeling and Monitoring	Johnson Controls Fire Protection LP	US1116;
CA	Published	3091328		Gunshot Detection System with Fire Alarm System Integration	Johnson Controls Fire Protection LP	US1116;
CA	Published	3091330		Gunshot Detection Sensors Incorporated into Building Management Devices	Johnson Controls Fire Protection LP	US1116;
CA	Published	3091332		Gunshot Detection System with Location Tracking	Johnson Controls Fire Protection LP	US1116;
CA	Published	3091552		Gunshot Detection System with Building Management System Integration	Johnson Controls Fire Protection LP	US1116;
CA	Pending	3091894		Gunshot Detection System with Encrypted, Wireless Transmission	Johnson Controls Fire Protection LP	US1116;
CL	Published	201802817		Fire Detection System With Automatic Firmware Updating	Johnson Controls Fire Protection LP	US1116;
CL	Published	201802832		Fire Detection System With Distributed File System	Johnson Controls Fire Protection LP	US1116;
CN	Pending	201780022934.7		Fire Detection System With Distributed File System	Johnson Controls Fire Protection LP	US1116;

Schedule B-1 Johnson Controls Fire Protection LP

CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
CN	Published	201780022948.9		The fire detection system updated with automated firmware	Johnson Controls Fire Protection LP	US11116;
DE	Issued	16183884.2	EP151208 B1	SYSTEM AND METHOD FOR PROVIDING SUPPLEMENTAL POWER TO UNITS	Johnson Controls Fire Protection LP	US11116;
DE	Issued	16781178.5	60 2016 037 575.3	Smoke Detector Tester	Johnson Controls Fire Protection LP	US11116;
DE	Issued	17190223.2	60 2017 017 903.5	CHAMBERLESS SMOKE DETECTOR	Johnson Controls Fire Protection LP	US11116;
DE	Issued	17719345.5	3443455	Fire Detection System With Distributed File System	Johnson Controls Fire Protection LP	US11116;
EM	Issued	003493139-0001	003493139-0001	Unknown Title	Johnson Controls Fire Protection LP	US11116;
EM	Issued	003493139-0002	003493139-0002	Unknown Title	Johnson Controls Fire Protection LP	US11116;
EM	Issued	003493139-0003	003493139-0003	Unknown Title	Johnson Controls Fire Protection LP	US11116;
EP	Published	15701255.0		Testing System And Method For Fire Alarm System	Johnson Controls Fire Protection LP	US11116;
EP	Issued	16183884.2	EP151208 B1	SYSTEM AND METHOD FOR PROVIDING SUPPLEMENTAL POWER TO UNITS	Johnson Controls Fire Protection LP	US11116;
EP	Issued	17190223.2	EP3454311	CHAMBERLESS SMOKE DETECTOR	Johnson Controls Fire Protection LP	US11116;
EP	Published	17717877.9		Fire Detection System With Automatic Firmware Updating	Johnson Controls Fire Protection LP	US11116;
EP	Issued	17719345.5	3443455	Fire Detection System With Distributed File System	Johnson Controls Fire Protection LP	US11116;
EP	Published	17791312.6		Smoke Detector Remote Test Apparatus	Johnson Controls Fire Protection LP	US11116;
EP	Published	18209988.7		Power Supply Ripple Detector	Johnson Controls Fire Protection LP	US11116;
EP	Published	19176903.3		Systems And Methods Of Alarm Controls And Directed Audio Evacuation	Johnson Controls Fire Protection LP	US11116;
EP	Published	19710785.7		Gunshot Detection System with Building Management System Integration	Johnson Controls Fire Protection LP	US11116;
EP	Published	19710786.5		Gunshot Detection System with Location Tracking	Johnson Controls Fire Protection LP	US11116;
EP	Published	19711167.7		Gunshot Detection System with Encrypted, Wireless Transmission	Johnson Controls Fire Protection LP	US11116;
EP	Published	19711168.5		Gunshot Detection Sensors Incorporated into Building Management Devices	Johnson Controls Fire Protection LP	US11116;
EP	Published	19711418.4		Gunshot Detection System Anti-Tampering Protection	Johnson Controls Fire Protection LP	US11116;
EP	Published	19711419.2		Gunshot Detection System with Ambient Noise Modeling and Monitoring	Johnson Controls Fire Protection LP	US11116;
EP	Published	19711420.0		Gunshot Detection System with Fire Alarm System Integration	Johnson Controls Fire Protection LP	US11116;
EP	Pending	20747501.3		Unsupervised Enrollment for Anti-Theft Facial Recognition System	Johnson Controls Fire Protection LP	US11116;
FI	Issued	17719345.5	3443455	Fire Detection System With Distributed File System	Johnson Controls Fire Protection LP	US11116;
FR	Issued	16183884.2	EP151208 B1	SYSTEM AND METHOD FOR PROVIDING SUPPLEMENTAL POWER TO UNITS	Johnson Controls Fire Protection LP	US11116;
FR	Issued	16781178.5	EP3359303	Smoke Detector Tester	Johnson Controls Fire Protection LP	US11116;
FR	Issued	17190223.2	EP3454311	CHAMBERLESS SMOKE DETECTOR	Johnson Controls Fire Protection LP	US11116;
GB	Published	1517651.4		Smoke Detector Tester	Johnson Controls Fire Protection LP	US11116;

Schedule B-1 Johnson Controls Fire Protection LP

CTRY	STATUS	APLN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
GB	Published	1808327.9		Fire alarm system and integration	Johnson Controls Fire Protection LP	US11116;
GB	Published	1808328.7		Fire Alarm Verification	Johnson Controls Fire Protection LP	US11116;
GB	Pending	2103074.7		TC19 Zone Occupied Alert	Johnson Controls Fire Protection LP	US11116;
GB	Pending	2107008.1		Address Setting of Building Management System	Johnson Controls Fire Protection LP	US11116;
GB	Issued	16183884.2	EP151208 B1	SYSTEM AND METHOD FOR PROVIDING SUPPLEMENTAL POWER TO UNITS	Johnson Controls Fire Protection LP	US11116;
GB	Issued	16781178.5	EP3359303	Smoke Detector Tester	Johnson Controls Fire Protection LP	US11116;
GB	Issued	17190223.2	EP454311	CHAMBERLESS SMOKE DETECTOR	Johnson Controls Fire Protection LP	US11116;
GB	Issued	17719345.5	3443455	Fire Detection System With Distributed File System	Johnson Controls Fire Protection LP	US11116;
IN	Published	201847040399		Fire Detection System With Automatic Firmware Updating	Johnson Controls Fire Protection LP	US11116;
IN	Published	201847040435		Fire Detection System With Distributed File System	Johnson Controls Fire Protection LP	US11116;
IN	Pending	202011056504		A Control Panel for Fire Alarm Systems	Johnson Controls Fire Protection LP	US11116;
MX	Published	MX/a/2018/012452		Fire Detection System With Automatic Firmware Updating	Johnson Controls Fire Protection LP	US11116;
MX	Published	MX/a/2018/012453		Fire Detection System With Distributed File System	Johnson Controls Fire Protection LP	US11116;
NZ	Issued	423062	423062	Unknown Title	Johnson Controls Fire Protection LP	US11116;
NZ	Issued	423063	423063	Unknown Title	Johnson Controls Fire Protection LP	US11116;
NZ	Issued	423064	423064	Unknown Title	Johnson Controls Fire Protection LP	US11116;
PL	Issued	17719345.5	3443455	Fire Detection System With Distributed File System	Johnson Controls Fire Protection LP	US11116;
RU	Published	2018139557		Fire Detection System With Distributed File System	Johnson Controls Fire Protection LP	US11116;
RU	Issued	2018139565	2731319	Fire Detection System With Automatic Firmware Updating	Johnson Controls Fire Protection LP	US11116;
SA	Pending	417380677		Unknown Title	Johnson Controls Fire Protection LP	US11116;
SA	Pending	417380679		Unknown Title	Johnson Controls Fire Protection LP	US11116;
SA	Pending	417380680		Unknown Title	Johnson Controls Fire Protection LP	US11116;
SE	Issued	17719345.5	3443455	Fire Detection System With Distributed File System	Johnson Controls Fire Protection LP	US11116;
US	Issued	10/144161	6737967	Wireless Walk Through Test System	Johnson Controls Fire Protection LP	US11116;
US	Issued	10/645396	7006003	Multi-candlea emergency strobe light	Johnson Controls Fire Protection LP	US11116;
US	Issued	10/705146	7091855	Fire Alarm With Distinct Alarm Reset Threshold	Johnson Controls Fire Protection LP	US11116;
US	Issued	10/720810	7295127	National security warning system integrated with building fire alarm notification system	Johnson Controls Fire Protection LP	US11116;
US	Issued	10/733979	6950016	Walk through test system	Johnson Controls Fire Protection LP	US11116;
US	Issued	10/835930	7233253	Multiwavelength Smoke Detector Using White Light Led	Johnson Controls Fire Protection LP	US11116;
US	Issued	10/914666	7145466	National security warning system integrated with building fire alarm notification system	Johnson Controls Fire Protection LP	US11116;
US	Issued	11/500851	7532117	Fire alarm with distinct alarm reset threshold	Johnson Controls Fire Protection LP	US11116;
US	Issued	11/580654	7714733	Emergency warning system integrated with building hazard alarm notification system	Johnson Controls Fire Protection LP	US11116;
US	Issued	11/796008	7474227	Multiwavelength smoke detector using white light LED	Johnson Controls Fire Protection LP	US11116;

Schedule B-1 Johnson Controls Fire Protection LP

CTRY	STATUS	APLN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
US	Issued	11/84291	7940190	SMOKE DETECTOR	Johnson Controls Fire Protection LP	US11116;
US	Issued	12/277790	8063763	SYSTEM FOR TESTING NAC OPERABILITY USING REDUCED OPERATING VOLTAGE	Johnson Controls Fire Protection LP	US11116;
US	Issued	12/568423	8198997	FIRE GAS DETECTOR CODING	Johnson Controls Fire Protection LP	US11116;
US	Issued	13/193322	8773254	AUTOMATIC CONFIGURATION OF INITIATING DEVICES	Johnson Controls Fire Protection LP	US11116;
US	Published	13/207140		System And Method For Emergency Message Preview And Transmission	Johnson Controls Fire Protection LP	US11116;
US	Issued	13/325724	8601700	SPRINKLER DROP RULER	Johnson Controls Fire Protection LP	US11116;
US	Issued	13/877038	9343884	Mounting Unit	Johnson Controls Fire Protection LP	US11116;
US	Issued	13/877312	9391714	Safety System	Johnson Controls Fire Protection LP	US11116;
US	Issued	14/047938	9058731	Smoke Detector with Airflow Barrier	Johnson Controls Fire Protection LP	US11116;
US	Issued	14/157847	9552720	Testing System And Method For Fire Alarm System	Johnson Controls Fire Protection LP	US11116;
US	Issued	14/173485	9361785	System And Method For Testing Battery Backup Capacities In Alarm Systems	Johnson Controls Fire Protection LP	US11116;
US	Published	14/364080		Combustion Product Detection	Johnson Controls Fire Protection LP	US11116;
US	Issued	14/514120	10121343	Adapter Bracket For Notification Appliance	Johnson Controls Fire Protection LP	US11116;
US	Issued	14/814805	10339793	System And Method For Smoke Detector Performance Analysis	Johnson Controls Fire Protection LP	US11116;
US	Issued	14/863674	10297129	Fire/Security Service System With Augmented Reality	Johnson Controls Fire Protection LP	US11116;
US	Published	14/988949		Interface Actuator Device And Method Of Use	Johnson Controls Fire Protection LP	US11116;
US	Issued	15/004420	9922509	Strobe Notification Appliance With Directional Information	Johnson Controls Fire Protection LP	US11116;
US	Issued	15/088533	10074265	Mesh Network Testing System And Method For Fire Alarm System	Johnson Controls Fire Protection LP	US11116;
US	Published	15/095680		Fire Detection System With Automatic Firmware Updating	Johnson Controls Fire Protection LP	US11116;
US	Issued	15/095691	10860541	Fire Detection System With Distributed File System	Johnson Controls Fire Protection LP	US11116;
US	Issued	15/095697	10453320	Addressing Method For Slave Units In Fire Detection System	Johnson Controls Fire Protection LP	US11116;
US	Issued	15/378363	9990841	Testing System And Method For Fire Alarm System	Johnson Controls Fire Protection LP	US11116;
US	Published	15/446256		Building Asset Management System	Johnson Controls Fire Protection LP	US11116;
US	Published	15/446289		Building Management System Method and Interface	Johnson Controls Fire Protection LP	US11116;
US	Issued	15/600509	10216164	Fire Alarm Inspection Application And User Interface	Johnson Controls Fire Protection LP	US11116;
US	Issued	15/617678	10616181	Security Panel Gateway System And Method	Johnson Controls Fire Protection LP	US11116;
US	Issued	15/619780	10390160	System And Method For Testing Emergency Address Systems Using Voice Recognition	Johnson Controls Fire Protection LP	US11116;
US	Issued	15/631111	10607477	Hardwire Fire Alarm Panel Walktest Decoder	Johnson Controls Fire Protection LP	US11116;
US	Issued	15/696641	10663501	Software Defined Battery Charger System And Method	Johnson Controls Fire Protection LP	US11116;
US	Issued	15/805223	10388146	Contextual Fire Detection And Alarm Verification Method And System	Johnson Controls Fire Protection LP	US11116;
US	Issued	15/810428	10147313	Detector System	Johnson Controls Fire Protection LP	US11116;

Schedule B-1 Johnson Controls Fire Protection LP

CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTRY ID
US	Issued	15/838898	11018573	Power Supply Ripple Detector	Johnson Controls Fire Protection LP	US11116;
US	Allowed	15/923213		STROBE NOTIFICATION APPLIANCE AND EMERGENCY LIGHTING APPLIANCE WITH DIRECTIONAL INFORMATION	Johnson Controls Fire Protection LP	US11116;
US	Issued	15/957543	10970994	Method And System For Monitoring Fire Alarm Systems	Johnson Controls Fire Protection LP	US11116;
US	Issued	15/990125	10769937	System and Method for Charging Supplemental Power Units for Alarm Notification Devices	Johnson Controls Fire Protection LP	US11116;
US	Issued	16/123724	10580277	Chamberless Smoke Detector	Johnson Controls Fire Protection LP	US11116;
US	Issued	16/248398	10831167	Fire Alarm Inspection Application And User Interface	Johnson Controls Fire Protection LP	US11116;
US	Issued	16/270432	10970578	System And Method For Extracting Information From A Non-Planar Surface	Johnson Controls Fire Protection LP	US11116;
US	Issued	16/340024	10803732	Smoke Detector Remote Test Apparatus	Johnson Controls Fire Protection LP	US11116;
US	Published	16/379374		Cloud-Based Fire Protection System and Method	Johnson Controls Fire Protection LP	US11116;
US	Published	16/390914		Systems And Methods For Echo Management In Conferencing Over A Network Using Mixed Multicast	Johnson Controls Fire Protection LP	US11116;
US	Published	16/390927		Systems And Methods For Echo Management In Conferencing Over A Network Using Multiplexed Multicast	Johnson Controls Fire Protection LP	US11116;
US	Issued	16/390952	10958791	Systems and Methods for Echo Management in Conferencing Over a Network Using Multiplexed Mixed Multicast	Johnson Controls Fire Protection LP	US11116;
US	Allowed	16/413274		Abnormal Impedance Fault Isolation	Johnson Controls Fire Protection LP	US11116;
US	Allowed	16/413307		Fault Isolation Locality	Johnson Controls Fire Protection LP	US11116;
US	Issued	16/420428	US10937285	Systems And Methods Of Alarm Controls And Directed Audio Evacuation	Johnson Controls Fire Protection LP	US11116;
US	Issued	16/421693	10644464	Apparatus And Method For Addressing A Device Heads Up Mass Notification	Johnson Controls Fire Protection LP	US11116;
US	Allowed	16/455004		Location-Aware Provisioning System For Fire Alarm System And Method Therefor	Johnson Controls Fire Protection LP	US11116;
US	Published	16/477663		System And Method For Identifying And Locating Sensed Events	Johnson Controls Fire Protection LP	US11116;
US	Published	16/486591		Adapter Bracket For Notification Appliance	Johnson Controls Fire Protection LP	US11116;
US	Pending	16/598025		Thermistor Housing	Johnson Controls Fire Protection LP	US11116;
US	Published	16/599763		Lithium Battery Activation and Long-Term Maintenance	Johnson Controls Fire Protection LP	US11116;
US	Published	16/600069		Lithium Battery Passivation Detection	Johnson Controls Fire Protection LP	US11116;
US	Allowed	16/600209		Method And System For Configuring An Alarm System	Johnson Controls Fire Protection LP	US11116;
US	Allowed	16/698334		Erratic Short-Circuit Detection	Johnson Controls Fire Protection LP	US11116;
US	Issued	16/706395	10997851	Emergency Notification System and Method	Johnson Controls Fire Protection LP	US11116;
US	Pending	16/712290		Software Defined Battery Charger System And Method	Johnson Controls Fire Protection LP	US11116;
US	Issued	16/850080	10996249	Method	Johnson Controls Fire Protection LP	US11116;
US	Pending	16/904290		Systems and Methods for Controlling Addressable Combined Initiating Device and Notification Appliance Circuits	Johnson Controls Fire Protection LP	US11116;

Schedule B-1 Johnson Controls Fire Protection LP

CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
US	Allowed	16/904299		Systems and Methods for Controlling Combined Initiating Device and Notification Appliance Circuits	Johnson Controls Fire Protection LP	US11116;
US	Published	16/968933		Gunshot Detection System with Encrypted, Wireless Transmission	Johnson Controls Fire Protection LP	US11116;
US	Pending	16/968934		Gunshot Detection System with Building Management System Integration	Johnson Controls Fire Protection LP	US11116;
US	Published	16/968936		Gunshot Detection System Anti-Tampering Protection	Johnson Controls Fire Protection LP	US11116;
US	Published	16/968937		Gunshot Detection System with Ambient Noise Modeling and Monitoring	Johnson Controls Fire Protection LP	US11116;
US	Published	16/968940		Gunshot Detection System with Fire Alarm System Integration	Johnson Controls Fire Protection LP	US11116;
US	Published	16/968944		Gunshot Detection Sensors Incorporated into Building Management Devices	Johnson Controls Fire Protection LP	US11116;
US	Published	16/968945		Gunshot Detection System with Location Tracking	Johnson Controls Fire Protection LP	US11116;
US	Published	17/008900		Motion Detector With Adjustable Pattern Direction	Johnson Controls Fire Protection LP	US11116;
US	Published	17/066202		QR Code Proximity Testing	Johnson Controls Fire Protection LP	US11116;
US	Pending	17/129405		Characterization of Reverberation of Audible Spaces	Johnson Controls Fire Protection LP	US11116;
US	Pending	17/190605		Heads Up Mass Notification	Johnson Controls Fire Protection LP	US11116;
US	Pending	17/287421		Unsupervised Enrollment for Anti-Theft Facial Recognition System	Johnson Controls Fire Protection LP	US11116;
US	Issued	29/626311	D827472	Visual Indicator For Alarm Unit	Johnson Controls Fire Protection LP	US11116;
US	Issued	29/626314	D830213	Visual Alarm For Alarm Unit	Johnson Controls Fire Protection LP	US11116;
US	Pending	29/704574		Motion Sensor	Johnson Controls Fire Protection LP	US11116;
US	Pending	63/088780		Spring Bracket	Johnson Controls Fire Protection LP	US11116;
US	Pending	63/138137		Smoke Detector Addressing Using Optical Interfacing And An Address Pennant	Johnson Controls Fire Protection LP	US11116;
WO	Published	182019/051204		Gunshot Detection System with Encrypted, Wireless Transmission	Johnson Controls Fire Protection LP	US11116;
WO	Published	182019/051205		Gunshot Detection System with Building Management System Integration	Johnson Controls Fire Protection LP	US11116;
WO	Published	182019/051206		Gunshot Detection System Anti-Tampering Protection	Johnson Controls Fire Protection LP	US11116;
WO	Published	182019/051207		Gunshot Detection System with Ambient Noise Modeling and Monitoring	Johnson Controls Fire Protection LP	US11116;
WO	Published	182019/051208		Gunshot Detection System with Fire Alarm System Integration	Johnson Controls Fire Protection LP	US11116;
WO	Published	182019/051209		Gunshot Detection Sensors Incorporated into Building Management Devices	Johnson Controls Fire Protection LP	US11116;
WO	Published	182019/051210		Gunshot Detection System with Location Tracking	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/EP2017/052638		A FIRE DETECTION SYSTEM USING A DRONE	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/EP2017/076127		Smoke Detector Remote Test Apparatus	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/EP2019/062789		Fire Alarm System Integration	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/EP2019/062849		Fire Alarm Verification	Johnson Controls Fire Protection LP	US11116;

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CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
WO	Published	PCT/IB2016/050026		FIRE SENSOR HAVING A SENSOR GUARD FOR HEAT AND SMOKE DETECTION APPLICATIONS	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/IB2017/050249		Location-Aware Provisioning System For Fire Alarm System And Method Therefor	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/IB2018/052404		Sensed Events	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/US2019/020961		Lithium Battery Passivation Detection	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/US2019/020970		Lithium Battery Activation and Long-Term Maintenance	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/US2019/020978		Lithium Battery Passivation Detection, Activation and Maintenance Module	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/US2019/029164		Capacitive Switch Detector Addressing	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/US2019/029174		Capacitive Switch Detector Addressing	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/US2019/029179		Fire Alarm Peripheral Addressing Using a Unique Identifier	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/US2019/029185		Fire Alarm Peripheral Addressing Using a Smartphone	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/US2020/027146		Cloud-Based Fire Protection System and Method	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/US2020/028247		Systems And Methods For Echo Management In Conferencing Over A Network Using Mixed Multicast	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/US2020/036075		Unsupervised Enrollment for Anti-Threat Facial Recognition System	Johnson Controls Fire Protection LP	US11116;
WO	Published	PCT/US2020/039153		Heads Up Mass Notification	Johnson Controls Fire Protection LP	US11116;
ZA	Issued	2018/06274	2018/06274	Fire Detection System With Distributed File System	Johnson Controls Fire Protection LP	US11116;
ZA	Issued	2018/06278	2018/06278	Fire Detection System With Automatic Firmware Updating	Johnson Controls Fire Protection LP	US11116;
US	Pending	63/168004		Cloud-Based Fire Panel Application	Johnson Controls Fire Protection LP	US11116;
GB	Published	1901937.1		Voice Alarm Notification Device	Tyco Fire & Security GmbH	US11116;CH1014
GB	Published	1901938.9		Voice Alarm Device	Tyco Fire & Security GmbH	US11116;CH1014
WO	Published	PCT/EP2020/053660		Voice Alarm Device	JOHNSON CONTROLS FIRE PROTECTION LP and Tyco Fire & Security GmbH	US11116;CH1014
WO	Published	PCT/EP2020/053661		Voice Alarm Notification Device	Tyco Fire & Security GmbH	US11116;CH1014
US	Allowed	16/004766		Smoke Sensor With Test Switch And Method Of Operation Thereof	Johnson Controls Fire Protection LP, Tyco Fire & Security, LLC	US11116;US1117
AU	Published	2018255373		Smoke Detector Availability Test	Johnson Controls, Inc., Johnson Controls Fire Protection LP	WC100;US1116
EP	Published	18718825.5		Smoke Detector Availability Test	Johnson Controls, Inc., Johnson Controls Fire Protection LP	WC100;US1116
US	Pending	16/606306		Smoke Detector Availability Test	Johnson Controls, Inc., Johnson Controls Fire Protection LP	WC100;US1116
WO	Published	EP2018/060175		Smoke Detector Availability Test	Johnson Controls, Inc., Johnson Controls Fire Protection LP	WC100;US1116
AU	Issued	2017235937	2017235937	Current Regulated Led Strobe Drive Circuit	SIMPLEX GRINNELL LP, Johnson Controls Fire Protection LP	US11116;

Schedule B-1 Johnson Controls Fire Protection LP

CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
AU	Issued	2009299563	2009299563	A Particulate Detector	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
AU	Issued	2015101024	2015101024	Unknown Title	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
AU	Issued	2016259176	2016259176	Fire Detector Drift Compensation	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
CH	Issued	02726997.6	1350235	A FIRE DETECTOR	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
CH	Issued	05737836.6	1743308	Testing A Fire Detector Sensor	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
CH	Issued	05818457.3	1851857	Detection Arrangements	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
DE	Issued	02726997.6	60202258	A FIRE DETECTOR	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
DE	Issued	05737836.6	602005015098.6-08	Testing A Fire Detector Sensor	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
DE	Issued	05818457.3	1851857	Detection Arrangements	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
DE	Issued	06702888.6	1867039	AN ELECTRICAL CIRCUIT, A DETECTION SYSTEM AND AN OPERATING METHOD THEREOF	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
DE	Issued	16721881.7	EP3289574	FIRE DETECTOR DRIFT COMPENSATION	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
DE	Issued	DE200960050008T	60 2009 050 008.2	PARTICULATE DETECTOR	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
EP	Issued	02726997.6	1350235	A FIRE DETECTOR	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
EP	Issued	05737836.6	1743308	TESTING A FIRE DETECTOR SENSOR	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
EP	Issued	05818457.3	1851857	DETECTION ARRANGEMENTS	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
EP	Issued	06702888.6	1867039	AN ELECTRICAL CIRCUIT, A DETECTION SYSTEM AND AN OPERATING METHOD THEREOF	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
EP	Issued	16721881.7	EP3289574	FIRE DETECTOR DRIFT COMPENSATION	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
FR	Issued	05737836.6	1743308	Testing A Fire Detector Sensor	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
FR	Issued	05818457.3	1851857	Detection Arrangements	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
FR	Issued	06702888.6	1867039	AN ELECTRICAL CIRCUIT, A DETECTION SYSTEM AND AN OPERATING METHOD THEREOF	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
FR	Issued	16721881.7	EP3289574	FIRE DETECTOR DRIFT COMPENSATION	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
GB	Issued	1101360.4	2487560	Fire Detector Unit	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
GB	Published	1217970.1		Distributed fire detection system interface that controls data routing between sub-systems	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
GB	Issued	1320344.3	2520335	Alarm Panel	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
GB	Issued	1507574.0	GB2537940	Fire detector drift compensation	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116

PATENT

REEL: 070344 FRAME: 0198

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CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
GB	Issued	02/26997.6	1350235	A FIRE DETECTOR	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
GB	Issued	05/37836.6	1743308	Testing A Fire Detector Sensor	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
GB	Issued	05818457.3	1851857	Detection Arrangements	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
GB	Issued	06/02888.6	1867039	AN ELECTRICAL CIRCUIT, A DETECTION SYSTEM AND AN OPERATING METHOD THEREOF	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
US	Issued	11/88661.1	763386	Amplifier for multi-use of single environmental sensor	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
US	Issued	14/432703	9514635	Interface Circuit for Distributed Fire Alarm in Loop Configuration	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
US	Issued	15/037085	10163310	Alarm Panel	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
US	Issued	15/570804	10204508	Fire Detector Drift Compensation	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
US	Issued	15/765324	10783771	Smoke Detector Tester	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
US	Issued	15/810449	10713938	Detector System	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
US	Issued	15/810460	10614705	Detector System	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
WO	Published	PCF/GB2014/053396		ALARM PANEL	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
WO	Published	PCF/GB2016/051249		FIRE DETECTOR DRIFT COMPENSATION	Thorn Security Limited, Johnson Controls Fire Protection LP	GB1048;US1116
AE	Pending	D243/15		Unknown Title	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AE	Pending	P344/14		System And Method For Synchronization Of Networked Fire Alarm Panels	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Issued	2005239104	2005239104	Testing a fire detector sensor	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Issued	2005328223	2005328223	Detection arrangements	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Issued	2006251046	2006251046	Detector	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Issued	2006251047	2006251047	A flame detector and a method	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Issued	2011311359	201131	Safety System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Issued	2011311360	2011311360	Isolator Circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Issued	2011311361	2011311361	Detector System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Issued	2013220147	2013220147	Combustion product detection	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Published	2013274534	2013274534	Led Strobes With Fixed Pulse Width	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Issued	2013277716	2013277716	Current Regulated Led Strobe Drive Circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116

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CTRY	STATUS	APLN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
AU	Issued	2013328423	2013328423	Interface Circuit For Distributed Fire Alarm In Loop Configuration	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Issued	2014202166	2014202166	System And Method For Using Customer Data Networks For Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Issued	2015200391	2015200391	Detector System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Published	2015200392	AU 2015200392 B2	Detector System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Issued	2015221823	2015221823	Method and apparatus for testing fire alarm initiating devices	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Published	2015298173	AU2015298173	Strobe Notification Appliance	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Published	2016213785	2016213785	System And Method For Providing Supplemental Power To Units	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Published	2019238961	2019238961	Power control circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
AU	Issued	2015001843F	AU 361708	Notification Appliance	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
CA	Pending	3091482		Gunshot Detection System with Forensic Data Retention, Live Audio Monitoring, and Two-Way Communication	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
CA	Published	3091550		Gunshot Detection System with Master Slave Timing Architecture	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
CA	Issued	20180182472F	182472	Motion Detector	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
CH	Issued	06/02888.6	1867039	AN ELECTRICAL CIRCUIT, A DETECTION SYSTEM AND AN OPERATING METHOD THEREOF	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	07824656.8	2109759	A Detector	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	08850142.4	60 2008 029 316.5	VOX CIRCUIT INTERFACE WITH 2-WIRE COMMUNICATION PATHS	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	11784733.5	2625677	Isolator Circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	11785048.7	60 2011 059 876.7	Safety System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	11788548.3	602011034512.5	Detector System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	12730075.4	2721590	Dual Mode Led Strobe	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	12813151.3	2783478	System And Method For Backup Communication Using Power Over Ethernet	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	13706679.1	602013021938.9	Combustion Product Detection	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	13731011.6	EP2862150	LED STROBES WITH VARIABLE CANDELA SETTINGS AND FIXED PULSE WIDTH	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	14195284.6	EP2879105 B1	Control Panel For A Fire Detection System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	14714907.4	60 2014 074 812.0	Method For Self-Testing Notification Appliances In Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	14729097.7	2973480	Method For Testing Notification Appliances In Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116

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CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
DE	Issued	15/70428.7	EP3111435	Method And Apparatus For Testing Fire Alarm Initiating Devices	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	15/18105.8	EP3134886	Self-Testing Smoke Detector With Integrated Smoke Source	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	16183712.5	602016047013.6	CONTEXTUAL FIRE DETECTION AND ALARM VERIFICATION	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	17150897.1	60 2011 062 538.1	Detector System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	17150899.7	EP3171531-602011059404.4	Detector System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	18194953.8	602018010325.2	Method And Apparatus For Evaluation Of Temperature Sensors	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	20140799875	202014011360.2	Alarm Panel	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EM	Issued	002938480	002938480-0001	Alarm devices - Detector with offset sounder	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EM	Issued	002680074-0001	002680074-0001	Unknown Title	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EM	Issued	005647724-0001	005647724-0001	Motion Detector	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EM	Issued	005647724-0002	005647724-0002	Motion Detector	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EM	Issued	005647724-0003	005647724-0003	Motion Detector	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	07824656.8	2109759	A Detector	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Published	08775960.1		Identifying A Plurality Of Devices	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	08850142.4	2208289	VOX CIRCUIT INTERFACE WITH 2-WIRE COMMUNICATION PATHS	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	09785183.6	EP2350616	A Particulate Detector	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Published	11749587.9		Supervision For A Light Display Device	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	11784733.5	2625677	Isolator Circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	11785048.7	EP2625679	Safety System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	11788548.3	EP2625680 B1	Detector System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	12730075.4	2721590	Dual Mode Led Strobe	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	12813151.3	2783478	System And Method For Backup Communication Using Power Over Ethernet	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Allowed	12820989.7		System And Method For Backup Communication Over Ethernet	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	13706679.1	EP2815388 B2	Combustion Product Detection	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Published	13726335.6		Current Regulated Led Strobe Drive Circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116

Schedule B-1 Johnson Controls Fire Protection LP

CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
EP	Issued	13731011.6	EP2862150	LED STROBES WITH VARIABLE CANDELA SETTINGS AND FIXED PULSE WIDTH	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Published	13774772.1		Interface Circuit For Distributed Fire Alarm In Loop Configuration	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Published	14167268.3		System And Method For Using Customer Data Networks For Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	14195284.6	EP2879105 B1	Control Panel For A Fire Detection System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Published	14709505.3		Methods For Inspecting And Testing Notification Appliances In Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	14714907.4	2973479	Method For Self-Testing Notification Appliances In Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Allowed	14728788.2		Method For Self-Testing Notification Appliances In Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	14729097.7	2973480	Method For Testing Notification Appliances In Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	15718105.8	EP134886	Self-Testing Smoke Detector With Integrated Smoke Source	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	15750185.9	EP175171	Strobe Notification Appliance	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	16183712.5	EP147879	CONTEXTUAL FIRE DETECTION AND ALARM VERIFICATION	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	17150897.1	EP174224	Detector System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	17150899.7	EP171531	Detector System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Published	17758001.6		Method For Acoustically Counting Gunshots Fired Indoors	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	17764473.9	EP3504691	SYSTEM AND METHOD FOR ACOUSTICALLY IDENTIFYING GUNSHOTS FIRED INDOORS	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Published	17804951.6		Method And System For Monitoring Fire Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Issued	18194953.8	EP3457371	Method And Apparatus For Evaluation Of Temperature Sensors	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Published	18194954.6		Method And Apparatus For Cloud Based Predictive Service Scheduling And Evaluation	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Published	18194955.3		Method And System For Service Verification Using Wifi Signal Strength Mapping	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Published	18194957.9		Method And Apparatus For Verifying Service Of Installed Devices Using Rfid	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Allowed	18195315.9		Method And System For Service Verification Using Access Control System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Published	18203881.0		Isolator Circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Published	18203884.4		Isolator Circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Published	19707130.1		Gunshot Detection System with Forensic Data Retention, Live Audio Monitoring, and Two-Way Communication	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
EP	Published	19711166.9		Gunshot Detection System with Master Slave Timing Architecture	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116

Schedule B-1 Johnson Controls Fire Protection LP

CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
EP	Allowed	19711897.9		POWER CONTROL CIRCUIT	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	07824656.8	2109759	A Detector	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	08850142.4	2208289	VOX CIRCUIT INTERFACE WITH 2-WIRE COMMUNICATION PATHS	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	09785183.6	2350616	A Particulate Detector	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	11785048.7	EP2625679	Safety System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	11788548.3	EP2625680 B1	Detector System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	12730075.4	2721590	Dual Mode Led Strobe	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	12813151.3	2783478	System And Method For Backup Communication Using Power Over Ethernet	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	13706679.1	EP2815388 B2	Combustion Product Detection	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	13731011.6	EP2862150	LED STROBES WITH VARIABLE CANDELA SETTINGS AND FIXED PULSE WIDTH	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	14195284.6	EP2879105 B1	Control Panel For A Fire Detection System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	14714907.4	2973479	Method For Self-Testing Notification Appliances In Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	14729097.7	2973480	Method For Testing Notification Appliances In Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	15707428.7	EP3111435	Method And Apparatus For Testing Fire Alarm Initiating Devices	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	15718105.8	EP3134886	Self-Testing Smoke Detector With Integrated Smoke Source	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	16183712.5	EP3147879	CONTEXTUAL FIRE DETECTION AND ALARM VERIFICATION	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	17150897.1	3174224	Detector System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	17150899.7	EP3171531	Detector System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	18194953.8	EP3457371	Method And Apparatus For Evaluation Of Temperature Sensors	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
FR	Issued	20110784733	2625677	Isolator Circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	1804718.3	2572223	Power control circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	07824656.8	2109759	A Detector	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	08850142.4	2208289	VOX CIRCUIT INTERFACE WITH 2-WIRE COMMUNICATION PATHS	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	11784733.5	2625677	Isolator Circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	11785048.7	EP2625679	Safety System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116

Schedule B-1 Johnson Controls Fire Protection LP

CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
GB	Issued	12730075.4	2721590	Dual Mode Led Strobe	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	12813151.3	2783478	System And Method For Backup Communication Using Power Over Ethernet	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	13706679.1	EP2815388 B2	COMBUSTION PRODUCT DETECTION	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	13731011.6	EP2862150	LED STROBES WITH VARIABLE CANDELA SETTINGS AND FIXED PULSE WIDTH	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	14195284.6	EP2879105 B1	Control Panel For A Fire Detection System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	14714907.4	2973479	Method For Self-Testing Notification Appliances In Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	14729097.7	2973480	Method For Testing Notification Appliances In Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	15707428.7	EP3111435	Method And Apparatus For Testing Fire Alarm Initiating Devices	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	15718105.8	EP3134886	Self-Testing Smoke Detector With Integrated Smoke Source	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	16183712.5	EP3147879	CONTEXTUAL FIRE DETECTION AND ALARM VERIFICATION	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	17150897.1	EP3174224	Detector System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	17150899.7	EP3171531	Detector System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
GB	Issued	18194953.8	EP3457371	Method And Apparatus For Evaluation Of Temperature Sensors	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
NZ	Issued	420140	420140	Notification Appliance	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
SA	Issued	415360324	4397	Unknown Title	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	10/872852	7369037	Programmable Multirandela Notification Device	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	10/873027	7170396	Addressable Smart Speaker	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	11/1282358	7333010	Method and apparatus for verifying operation of notification appliances during low input voltage condition	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	11/1432120	7456585	Optical element driving circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	11/1479641	7471049	Optical element driving circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	11/1514612	8319625	Fire alarm textual notification related application	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	11/1587461	7609154	Testing a fire detector sensor	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	11/1825213	8558711	System for testing NAC operability using backup power	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	11/881312	7688212	Method and apparatus for providing occupancy information in a fire alarm system	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	11/884507	7843324	Detection arrangements	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116

PATENT

REEL: 070344 FRAME: 0204

Schedule B-1 Johnson Controls Fire Protection LP

CTRY	STATUS	APLN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
US	Issued	11/906827	7999692	Non-addressable dual notification appliance	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	11/921111	7956329	Flame detector and a method	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	11/921113	7948628	Window cleanliness detection system	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	11/940903	8081778	VOX circuit with 2-wire interfaces	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/040300	8023661	Self-adjusting and self-modifying addressable speaker	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/249580	8511630	Emergency notification appliance mounting bracket	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/256066	7994729	Optical Element Driving Circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/260728	8049652	Switchable Strobe Lens	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/360461	8138928	Multiple Event Notification Appliance	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/483039	8228182	Self-Testing Notification Appliance	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/525928	9134180	Detector	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/530241	8154415	Detector	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/533828	8373420	Ground Fault Detection	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/572014	8368528	Configurable Notification Device	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/688531	8232869	Identifying A Plurality Of Devices	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/749928	8845136	Adjustable Strobe Reflector Assembly	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/851938	8624754	System And Method For Detecting A Property Of A Strobe Cover	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/884818	8378806	Pseudo non-addressable alarm system	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/944801	8723681	Apparatus And Methods For Providing Emergency Override Of Informational Displays	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/946708	8705038	Duct Detector	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	12/972151	8508359	Method And System For Wireless Configuration, Control, And Status Reporting Of Devices In A Fire Alarm System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/005704	8354798	Compensation Circuit For Current Peaking Reduction In Notification Appliances	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/042191	8698613	Integrated Test-Mode For Monitoring Of Fire And Security System Networks	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/121467	8559006	Particulate detector	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/160185	8773276	Dual Mode Led Strobe	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116

Schedule B-1 Johnson Controls Fire Protection LP

CTRY	STATUS	APLN #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
US	Issued	13/173049	8794389	Interface between fire panel and elevator controller	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/193304	8760280	Method And Apparatus For Communicating With Non-Addressable Notification Appliances	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/195497	8269637	Switchable Strobe Lens	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/249466	8736444	System And Method For Wireless Heat Detection	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/271976	9245427	System And Method For Synchronization Of Networked Fire Alarm Panels	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/369099	8503491	Fiber Optic Multiplex Modem	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/422368	8939013	Duct Detector With Improved Functional Test Capability	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/432327	9026439	Verbal Intelligibility Analyzer For Audio Announcement Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/495559	8760301	Lead Strobes With Fixed Pulse Width	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/525427	8796931	Current Regulated Led Strobe Drive Circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/540690	8890704	Method And Apparatus For Monitoring Transient Electrical Strikes	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/578522	9286779	Detector Devices	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/601585	8693641	Fire Alarm With Integrated Firefighter Communications System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/610801	8797724	Notification Appliance Enclosure	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/688441	9076319	User Interface Broker For Fire Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/709180	8558472	Compensation Circuit For Current Peaking Reduction In Notification Appliances	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/780244	9814157	Wire Management And Wire Entry Cover Bracket	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/835525	9076321	Real Time Control Chart Generation And Monitoring Of Safety Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/836685	9030314	Method For Inspecting And Testing Notification Appliances In Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/836831	9076313	Method For Self-Testing Notification Appliances In Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/836942	8994525	Method For Testing Notification Appliances In Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/877045	9847019	Detector System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/877056	9153968	Isolator Circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/889448	9293031	System And Method For Using Customer Data Networks For Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/890351	10044178	Notification Appliance Enclosure	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116

Schedule B-1 Johnson Controls Fire Protection LP

CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
US	Issued	13/896906	9007201	Method For Self-Testing Notification Appliances In Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/921743	9076316	System And Method For Verifying Associations Between Initiating Devices And Notification Appliances In Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	13/929335	8988217	Method And System For Wireless Configuration, Control, And Status Reporting Of Devices In A Fire Alarm System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/046157	9459208	Duct Detector With Remote Airflow Test Capability	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/070896	9374239	Alarm System Network Operation	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/075157	9642210	Supervision For A Light Display Device	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/084721	10074254	Cloud-Based Method And Apparatus For Configuring A Fire Panel	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/095172	9842486	User Interface Configuration For Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/098007	9185774	System And Method For Detecting A Property Of A Strobe Cover	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/259176	9659485	Self-Testing Smoke Detector With Integrated Smoke Source	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/268862	9053619	Led Strobes With Fixed Pulse Width	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/315721	9345082	Current Regulated Led Strobe Drive Circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/319839	9673596	Back box with mounting posts projecting from recessed portions in sidewalls	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/324816	9355535	Dual Mode Led Strobe	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/341549	9466186	Conditionally Variable Strobe Notification Appliance	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/455024	9767679	Method And Apparatus For Testing Fire Alarm Initiating Devices	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/514071	10002509	Optic For A Strobe Notification Appliance	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/514083	9959725	Strobe Notification Appliance	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/514097	9875630	Notification Appliance	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/514113	9704364	Notification Appliance	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/670921	9672704	Emergency System Textual Notification Device With Alert Mechanism	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/7728373	9830794	Fire Sensor Having A Sensor Guard For Heat And Smoke Detection Applications	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/831977	9673615	Isolator Circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	14/860286	9824574	Contextual Fire Detection And Alarm Verification Method And System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116

Schedule B-1 Johnson Controls Fire Protection LP

CTRY	STATUS	APP#	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
US	Issued	14/943751	1007575	Door Lock Extender And Method Of Use	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	15/058623	10069293	Isolator Circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	15/088618	9959748	Fire Detection System With Self-Testing Fire Sensors	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	15/095614	10008105	System And Method For Charging Supplemental Power Units For Alarm Notification Devices	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	15/342427	9978256	Method And System For Monitoring Fire Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Published	15/707135		Method And Apparatus For Cloud Based Predictive Service Scheduling And Evaluation	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	15/707142	10735418	Method And System For Service Verification Using Access Control System	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	15/707148	10681667	Method And System For Service Verification Using Wifi Signal Strength Mapping	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	15/707161	10755555	Method And Apparatus For Verifying Service Of Installed Devices Using Rfid	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Published	15/707167		Method And Apparatus For Evaluation Of Temperature Sensors	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	16/328070	10832565	System And Method For Acoustically Identifying Gunshots Fired Indoors	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Published	16/328093		Method For Acoustically Counting Gunshots Fired Indoors	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Published	16/968931		Gunshot Detection System with Forensic Data Retention, Live Audio Monitoring, and Two-Way Communication	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Published	16/968932		Gunshot Detection System with Master Slave Timing Architecture	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Published	16/979622		Power Control Circuit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Published	17/060390		System And Method For Acoustically Identifying Gunshots Fired Indoors	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	29/512235	D769757	Notification Appliance	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
US	Issued	29/590034	D805940	Sounder for alarm unit	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
WO	Published	182019/051202		Gunshot Detection System with Forensic Data Retention, Live Audio Monitoring, and Two-Way Communication	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
WO	Published	182019/051203		Gunshot Detection System with Master Slave Timing Architecture	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
WO	Published	PCT/EP2019/056625		POWER CONTROL CIRCUIT	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
WO	Published	PCT/IB2017/056828		Method And System For Monitoring Fire Alarm Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
WO	Published	PCT/US2016/60883		Synchronization Of Notification Patterns In Alerting Systems	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
WO	Published	PCT/US2017/046940		System And Method For Acoustically Identifying Gunshots Fired Indoors	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116

Schedule B-1 Johnson Controls Fire Protection LP

CTRY	STATUS	APPL #	PATENT #	TITLE	ASSIGNEE (Johnson Controls Fire Protection LP)	ENTITY ID
WO	Published	PCT/US2017/046952		Method For Acoustically Counting Gunshots Fired Indoors	Tyco Fire & Security GmbH, Johnson Controls Fire Protection LP	CH1014;US1116
DE	Issued	14824929.5	EP3084737	System And Method For Monitoring And Suppressing Fire	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
DE	Issued	14825188.7	3084736	System And Method For Detecting And Suppressing Fire Using Wind Information	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
DK	Issued	14825188.7	3084736	System And Method For Detecting And Suppressing Fire Using Wind Information	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
EP	Issued	14824929.5	EP3084737	System And Method For Monitoring And Suppressing Fire	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
EP	Allowed	14825187.9	EP3084738	System And Method For Detecting Fire Location	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
EP	Issued	14825188.7	3084736	System And Method For Detecting And Suppressing Fire Using Wind Information	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
ES	Issued	14825188.7	3084736	System And Method For Detecting And Suppressing Fire Using Wind Information	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
FR	Issued	14824929.5	EP3084737	System And Method For Monitoring And Suppressing Fire	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
FR	Issued	14825188.7	3084736	System And Method For Detecting And Suppressing Fire Using Wind Information	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
GB	Issued	14824929.5	EP3084737	System And Method For Monitoring And Suppressing Fire	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
GB	Issued	14825188.7	3084736	System And Method For Detecting And Suppressing Fire Using Wind Information	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
NL	Issued	14825188.7	3084736	System And Method For Detecting And Suppressing Fire Using Wind Information	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
SE	Issued	14825188.7	3084736	System And Method For Detecting And Suppressing Fire Using Wind Information	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
US	Issued	15/105304	9990824	System And Method For Detecting Fire Location	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
US	Published	15/105308		System And Method For Monitoring And Suppressing Fire	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
US	Issued	15/105311	9990825	System And Method For Detecting And Suppressing Fire Using Wind Information	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
US	Issued	15/966562	10497243	System And Method For Detecting Fire Location	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
US	Issued	15/973001	10573145	System And Method For Detecting And Suppressing Fire Using Wind Information	Tyco Fire Products LP, Johnson Controls Fire Protection LP	US1120;US1116
EP	Issued	19163213.2	EP3557551	Indoor Positioning System For Fire Alarm System	Tyco Safety Products Canada LTD, Johnson Controls Fire Protection LP	CA1006;US1116
US	Issued	15/953627	10565859	Indoor Positioning System For Fire Alarm System	Tyco Safety Products Canada LTD, Johnson Controls Fire Protection LP	CA1006;US1116
US	Published	16/733821		Indoor Positioning System For Fire Alarm System	Tyco Safety Products Canada LTD, Johnson Controls Fire Protection LP	CA1006;US1116

SCHEDULE 2
ASSIGNED COPYRIGHTS

Copyright Registrations

[See Exhibit B]