

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PAT1150367

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Johnson Controls Tyco IP Holdings LLP	02/01/2024
RECEIVING PARTY DATA	
Company Name:	Tyco Fire & Security GmbH
Street Address:	Victor von Bruns-Strasse 21
Internal Address:	Schaffhausen
City:	Neuhausen am Rheinfall
State/Country:	SWITZERLAND
Postal Code:	8212
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	18196188
Application Number:	17395672
CORRESPONDENCE DATA	
Fax Number:	2026725399
<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>	
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Email:	IPdocketing@foley.com, Kimberly.Gray@foley.com
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Address Line 1:	3000 K Street, N.W.
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ATTORNEY DOCKET NUMBER:	117277-1006
NAME OF SUBMITTER:	Kimberly Washnesky
SIGNATURE:	Kimberly Washnesky
DATE SIGNED:	04/08/2024
Total Attachments: 6	
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INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

This INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT (this “IP Assignment”) is made and entered into as of February 1, 2024 (the “Effective Date”), by and among **JOHNSON CONTROLS TYCO IP HOLDINGS LLP**, a limited liability partnership existing under the laws of Wisconsin having its primary office located at 5757 N. Green Bay Avenue, Glendale, Wisconsin 53209, U.S.A. (the “Partnership”, *US1270*), and **TYCO FIRE & SECURITY GMBH**, a limited liability company existing under the laws of Switzerland having its primary office located at Victor von Bruns-Strasse 21, 8212 Neuhausen am Rheinfall, Schaffhausen, Switzerland (“TFSG”, *CH1014*).

WHEREAS, TFSG is the acquirer of certain assets of the Partnership (the “Distributed Assets”) pursuant to the Distribution Agreement, dated as of the date hereof, by and among the Partnership, TFSG, and Tyco Technology GmbH, a limited liability company existing under the laws of Switzerland (the “Distribution Agreement”); and

WHEREAS, under the terms of the Distribution Agreement, the Partnership has conveyed, transferred, and assigned certain intellectual property among the Distributed Assets for acquisition by TFSG, and the 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.

(a) For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Partnership hereby irrevocably conveys, transfers, and assigns to TFSG, and TFSG hereby accepts, all of the Partnership’s 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 **Error! Reference source not found.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 Distribution Agreement. The Partnership and TFSG acknowledge and agree that this IP Assignment is entered into pursuant to the Distribution Agreement, to which reference is made for a further statement of the rights and obligations of the Partnership and TFSG with respect to the Assigned IP. The representations, warranties, covenants, agreements, and indemnities contained in the Distribution 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 Distribution Agreement and the terms hereof, the terms of the Distribution Agreement shall govern.

2. Recordation and Further Actions. The parties to this IP Assignment hereby authorize the Commissioner for Patents in the United States Patent and Trademark Office, 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 TFSG. Following the date hereof, upon TFSG's reasonable request, the Partnership shall take such steps and actions, and provide such cooperation and assistance to TFSG 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 TFSG, or any successor thereto.

3. Counterparts; Electronic Signatures. This IP Assignment may be executed and delivered by facsimile, portable document format (.pdf), or other electronic signature pages, which shall be deemed originals, and in any number of counterparts, which shall have the same effect as if the signatures on the counterparts were on a single copy of this IP Assignment. Any electronic signatures appearing on this IP Assignment are the same as handwritten signatures for the purposes of validity, enforceability, and admissibility to the fullest extent permitted by applicable law.

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 Wisconsin, U.S.A., excluding any choice of law rules that may direct the application of the laws of another jurisdiction.

[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 TYCO IP
HOLDINGS LLP

TYCO FIRE & SECURITY GMBH

By *Mark Albert Hill*

By *Sébastien Vitali*

Name: Mark Albert Hill

Name: Sébastien Vitali

Title: Vice President

Title: Chairman of the Management

SCHEDULE 1
ASSIGNED PATENTS

[Attached]

Country	Application Number	Filing Date	Patent Number	Issue Date	Title
1685 US	17/386,983	7/28/2021			Method And System For Optimizing Access Restrictions To Shared Resources
1686 US	17/389,085	7/29/2021			Building Management System With Supervisory Fault Detection Layer
1687 US	17/388,776	7/29/2021	11703246	7/18/2023	BUILDING HVAC SYTEM WITH FAULT-ADAPTIVE MODEL PREDICTIVE CONTROL
1688 US	PCT/US2022/028840	7/29/2021			Building Management System With Supervisory Fault Detection Layer
1689 US	17/390,225	7/30/2021			Building Control System With Setpoint Injection For Online System Identification
1690 US	17/966,272	7/30/2021			Building Control System With Setpoint Injection For Online System Identification
1691 US	17/391,811	8/2/2021	11,763,266	9/19/2023	Smart Parking Lot System
1692 US	17/395,672	8/6/2021	11663541	5/30/2023	Building Energy System With Load-Following-Block Resource Allocation
1693 US	17/399,576	8/11/2021			SYSTEM AND METHOD FOR AUTOMATIC DETECTION AND CLUSTERING OF VARIABLE AIR VOLUME UNITS IN A BUILDING MANAGEMENT SYSTEM
1694 US	17/404,799	8/17/2021			BUILDING SYSTEM WITH A RECOMMENDATION INTERFACE
1695 US	17/408,014	8/20/2021	11852505	12/26/2023	Critical Environment Monitoring System
1696 US	17/473,946	9/13/2021			Web Services Platform with Integration and Interface of Smart Entities with Enterprise Applications
1697 US	17/479,994	9/20/2021	11727738	8/15/2023	BUILDING CAMPUS WITH INTEGRATED SMART ENVIRONMENT
1698 US	17/826,635	9/20/2021	11727738	8/15/2023	BUILDING CAMPUS WITH INTEGRATED SMART ENVIRONMENT
1699 US	17/491,840	10/1/2021	11768003	9/26/2023	Variable Refrigerant Flow System with Zone Grouping
1700 US	17/498,553	10/11/2021	11846439	12/19/2023	Building Control System With Peer Analysis Based On Weighted Outlier Detection
1701 US	17/504,121	10/18/2021	11,361,123	6/14/2022	Building Data Platform With Event Enrichment With Contextual Information
1702 US	17/505,104	10/19/2021	11783240	10/10/2023	Building Management System With Dynamic Workspace Assignment
1703 US	17/510,774	10/26/2021	11,774,930	10/3/2023	BUILDING SYSTEM WITH DIGITAL TWIN BASED AGENT PROCESSING
1704 US	17/515,844	11/1/2021			Systems And Methods For Dynamic Travel Planning
1705 US	17/517,419	11/2/2021			Building Security System With Alarm Lists And Alarm Rule Editing
1706 US	17/519,418	11/4/2021			Building Equipment Selection Using Soft Constraints
1707 US	17/523,567	11/10/2021			Systems And Methods For Predicting Building Faults Using Machine Learning
1708 US	17/525,227	11/12/2021			Building System With Occupant Health Analysis Based On Water Usage
1709 US	17/528,026	11/16/2021	11796974	10/24/2023	Building Data Platform With Schema Extensibility For Properties And Tags Of A Digital Twin
1710 US	17/528,038	11/16/2021			BUILDING DATA PLATFORM WITH SCHEMA EXTENSIBILITY FOR STATES OF A DIGITAL TWIN

Country	Application Number	Filing Date	Patent Number	Issue Date	Title
1836 US	18/106,934	2/7/2023			Building Management System with Clean Air and Infection Reduction Features
1837 US	18/110,723	2/16/2023			Systems and Methods for Controlling Variable Refrigerant Flow Systems Using Artificial Intelligence
1838 US	18/111,404	2/17/2023			Incident Response System
1839 US	18/114,127	2/24/2023			BUILDING MANAGEMENT SYSTEM WITH PARTICULATE SENSING
1840 US	18/114,129	2/24/2023			BUILDING MANAGEMENT SYSTEM WITH PARTICULATE SENSING
1841 US	18/114,729	2/27/2023			FLARE MONITORING SYSTEM AND METHOD
1842 US	18/116,974	3/3/2023			Monitoring and Control System for Connected Building Equipment with Fault Prediction and Predictive Maintenance
1843 US	18/117,611	3/6/2023			Building System For Building Equipment With Data Health Operations
1844 US	18/119,538	3/9/2023			Analysis System With Machine Learning Based Interpretation
1845 US	20781707.3	3/9/2023			Analysis System With Machine Learning Based Interpretation
1846 US	18/121,941	3/15/2023			Building Automation System with Remote Advisory Services
1847 US	63/453,640	3/21/2023			Systems and Methods For Feedback Control of UVC Disinfection
1848 US	18/126057	3/24/2023			Smart Thermostat with Model Predictive Control
1849 US	18/125,954	3/24/2023			INTELLIGENT EDGE COMPUTING PLATFORM WITH MACHINE LEARNING CAPABILITY
1850 US	18/132,200	4/7/2023			BUILDING MANAGEMENT SYSTEM WITH AIR QUALITY OCCUPANT IMPACT ASSESSMENT
1851 US	18/133,831	4/12/2023			Building Management System With Water And Air-Based Biological Sensing
1852 US	18/133,833	4/12/2023			BUILDING MANAGEMENT SYSTEM WITH INDOOR AIR QUALITY MANAGEMENT USING OUTDOOR AIR QUALITY FORECASTING
1853 US	63/458,871	4/12/2023			US PROV PAT APP BUILDING MANAGEMENT SYSTEM WITH GENERATIVE AI-BASED BUILDING EQUIPMENT SERVICING
1854 US	15/201,740	4/12/2023			BUILDING MANAGEMENT SYSTEM WITH INDOOR AIR QUALITY MANAGEMENT USING OUTDOOR AIR QUALITY FORECASTING
1855 US	63/497,526	4/21/2023			<Placeholder> Carbon Capture Storage Utilization (CCSU)
1856 US	18/140,112	4/27/2023			BUILDING EQUIPMENT CONTROL SYSTEM WITH DYNAMIC FLOW BOUNDS
1857 US	18/141,088	4/28/2023			<Placeholder> Building Management System with Sustainability Improvement
1858 US	18/310,371	5/1/2023			Variable Refrigerant Flow System with Predictive Control
1859 US	18706618.8	5/1/2023			Variable Refrigerant Flow System with Predictive Control
1860 US	18/143,968	5/5/2023			BUILDING DATA PLATFORM WITH A DISTRIBUTED DIGITAL TWIN
1861 US	18/196188	5/11/2023			Building Energy System With Load-Following-Block Resource Allocation
1862 US	63/466,203	5/12/2023			GAI Architecture

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