

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6859790

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOSEPH R. RIBBICH	03/12/2019
RECEIVING PARTY DATA	
Name:	JOHNSON CONTROLS TECHNOLOGY COMPANY
Street Address:	2875 HIGH MEADOW CIRCLE
City:	AUBURN HILLS
State/Country:	MICHIGAN
Postal Code:	48326
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16292020
CORRESPONDENCE DATA	
Fax Number:	(202)672-5399
<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:	202-672-5300
Email:	IPDocketing@foley.com, KWashnesky@foley.com
Correspondent Name:	FOLEY & LARDNER LLP
Address Line 1:	3000 K STREET, N.W.
Address Line 2:	SUITE 600
Address Line 4:	WASHINGTON, D.C. 20007
ATTORNEY DOCKET NUMBER:	18-0203-US (112444-1138)
NAME OF SUBMITTER:	KIMBERLY E. WASHNESKY
SIGNATURE:	/Kimberly E. Washnesky/
DATE SIGNED:	08/11/2021
Total Attachments: 7	
source=Assignment_Ribbich_112444-1138#page1.tif	
source=Assignment_Ribbich_112444-1138#page2.tif	
source=Assignment_Ribbich_112444-1138#page3.tif	
source=Assignment_Ribbich_112444-1138#page4.tif	
source=Assignment_Ribbich_112444-1138#page5.tif	

source=Assignment_Ribbich_112444-1138#page6.tif

source=Assignment_Ribbich_112444-1138#page7.tif

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Johnson Controls Technology Company
2875 High Meadow Circle
Auburn Hills, Michigan 48326-2773

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to the inventions as set forth in the attached **Schedule A** as well as in and to (a) all improvements and modifications of the inventions set forth in Schedule A, (b) the applications set forth in Schedule A for Letters Patent of the United States and countries foreign thereto for above-identified inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of

attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

NAME AND SIGNATURE OF INVENTOR

Name: JOSEPH R. RIBBICH

SIGNATURE

DATE



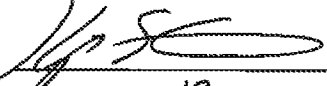
03-12-2019

NAME AND SIGNATURE OF WITNESS

Name: Kip Stearns

SIGNATURE

DATE



3-12-19

SCHEDULE A

Country	Title	Application Number	Application Date
United States of America	MOUNTABLE TOUCH THERMOSTAT USING TRANSPARENT SCREEN TECHNOLOGY	62/156868	5/4/2015
United States of America	MULTI-FUNCTION THERMOSTAT	62/247672	10/28/2015
United States of America	MULTI-FUNCTION USER CONTROL DEVICE WITH CONTROL SYSTEM HUB AND DATA ANALYTICS	62/274750	1/4/2016
United States of America	MULTI-FUNCTION USER CONTROL DEVICE WITH MECHANICAL FEATURES	62/275199	1/5/2016
United States of America	MULTI-FUNCTION USER CONTROL DEVICE WITH HOTEL, HEALTHCARE, AND CLASSROOM FEATURES	62/275202	1/5/2016
United States of America	MULTI-FUNCTION USER CONTROL DEVICE WITH VEHICLE AND PAYMENT FEATURES	62/275204	1/5/2016
United States of America	MULTI-FUNCTION USER CONTROL DEVICE WITH MOUNTING FEATURES	62/275711	1/6/2016
United States of America	MOUNTABLE TOUCH THERMOSTAT USING TRANSPARENT SCREEN TECHNOLOGY	15/143373	4/29/2016
P.C.T.	MOUNTABLE TOUCH THERMOSTAT USING TRANSPARENT SCREEN TECHNOLOGY	PCT/US2016/030291	4/29/2016
United States of America	MULTI-FUNCTION HOME CONTROL SYSTEM WITH CONTROL SYSTEM HUB AND REMOTE SENSORS	15/146134	5/4/2016
United States of America	USER CONTROL DEVICE WITH CASE CONTAINING CIRCUIT BOARD EXTENDING INTO MOUNTING LOCATION	15/146202	5/4/2016

SCHEDULE A

Country	Title	Application Number	Application Date
United States of America	USER CONTROL DEVICE WITH HOUSING CONTAINING ANGLED CIRCUIT BOARDS	15/146749	5/4/2016
United States of America	USER CONTROL DEVICE AND MULTI-FUNCTION HOME CONTROL SYSTEM	62/331863	5/4/2016
P.C.T.	MULTI-FUNCTION HOME CONTROL SYSTEM WITH CONTROL SYSTEM HUB AND REMOTE SENSORS	PCT/US2016/030829	5/4/2016
P.C.T.	USER CONTROL DEVICE WITH CASE CONTAINING CIRCUIT BOARD EXTENDING INTO MOUNTING LOCATION	PCT/US2016/030835	5/4/2016
P.C.T.	USER CONTROL DEVICE WITH HOUSING CONTAINING ANGLED CIRCUIT BOARDS	PCT/US2016/030836	5/4/2016
P.C.T.	USER CONTROL DEVICE WITH HINGED MOUNTING PLATE	PCT/US2016/030837	5/4/2016
United States of America	CELLULAR CONNECTED THERMOSTAT	62/352955	6/21/2016
United States of America	THERMOSTAT WITH OCCUPANCY DETECTION BASED ON LOAD OF HVAC EQUIPMENT	15/260294	9/8/2016
United States of America	THERMOSTAT HAVING NETWORK CONNECTED BRANDING FEATURES	15/260301	9/8/2016
P.C.T.	THERMOSTAT WITH OCCUPANCY DETECTION, NFC COMMUNICATION, AND USER INTERFACE FEATURES	PCT/US2016/051176	9/9/2016
United States of America	MULTI-FUNCTION THERMOSTAT WITH HEALTH MONITORING FEATURES	15/336789	10/28/2016
United States of America	MULTI-FUNCTION THERMOSTAT WITH OCCUPANT TRACKING FEATURES	15/336793	10/28/2016
United States of America	MULTI-FUNCTION THERMOSTAT WITH CLASSROOM FEATURES	15/397722	1/3/2017

SCHEDULE A

Country	Title	Application Number	Application Date
P.C.T.	MULTI-FUNCTION THERMOSTAT WITH CONCIERGE FEATURES	PCT/US2017/012217	1/4/2017
P.C.T.	MULTI-FUNCTION THERMOSTAT WITH EMERGENCY DIRECTION FEATURES	PCT/US2017/012218	1/4/2017
P.C.T.	MULTI-FUNCTION THERMOSTAT WITH OCCUPANT TRACKING FEATURES	PCT/US2017/012221	1/4/2017
United States of America	MULTI-FUNCTION THERMOSTAT WITH INTELLIGENT SUPPLY FAN CONTROL FOR MAXIMIZING AIR QUALITY AND ENERGY USAGE	62/485774	4/14/2017
United States of America	SYSTEMS AND METHODS FOR HVAC FILTER REPLACEMENT TYPE RECOMMENDATION	62/485780	4/14/2017
United States of America	PREEMPTIVE HEATING, COOLING AND VENTILATION IN RESPONSE TO ELEVATED OCCUPANCY DETECTION VIA PROXY	62/485785	4/14/2017
United States of America	OCCUPANCY DETECTION VIA PROXY	62/485788	4/14/2017
United States of America	MULTI-FUNCTION THERMOSTAT WITH AIR QUALITY DISPLAY INCLUDING MITIGATION	62/485789	4/14/2017
United States of America	SYSTEMS AND METHODS FOR MAIL MANAGEMENT VIA A CONTROL DEVICE	62/485800	4/14/2017
United States of America	USER CONTROL DEVICE AND MULTI-FUNCTION HOME CONTROL SYSTEM	15/586045	5/3/2017
P.C.T.	USER CONTROL DEVICE AND MULTI-FUNCTION HOME CONTROL SYSTEM	PCT/US2017/030890	5/3/2017
United States of America	THERMOSTAT	29/610694	7/14/2017
United States of America	THERMOSTAT	29/617389	9/13/2017

SCHEDULE A

Country	Title	Application Number	Application Date
United States of America	DISPLAY SCREEN OR PORTION THEREOF WITH GRAPHICAL USER INTERFACE	29/639009	3/2/2018
United States of America	THERMOSTAT WITH AIR QUALITY, SCHEDULING, ENERGY SAVINGS, AND DEVICE CONTROL USER INTERFACE FEATURES	62/640654	3/9/2018
United States of America	THERMOSTAT WITH PREDICTIVE VARIABLE AIR VOLUME (VAV) PERFORMANCE FEATURES	15/926314	3/20/2018
P.C.T.	THERMOSTAT WITH INTERACTIVE INSTALLATION FEATURES	PCT/US2018/024833	3/28/2018
United States of America	MULTI-FUNCTION THERMOSTAT WITH AIR QUALITY DISPLAY	15/951761	4/12/2018
United States of America	SYSTEMS AND METHODS FOR HVAC FILTER REPLACEMENT TYPE RECOMMENDATION	15/951842	4/12/2018
P.C.T.	MULTI-FUNCTION THERMOSTAT WITH AIR QUALITY DISPLAY	PCT/US2018/027324	4/12/2018
United States of America	THERMOSTAT WITH OCCUPANCY DETECTION VIA PROXY	15/953012	4/13/2018
United States of America	MULTI-FUNCTION THERMOSTAT WITH INTELLIGENT SUPPLY FAN CONTROL FOR MAXIMIZING AIR QUALITY AND OPTIMIZING ENERGY USAGE	15/953162	4/13/2018
United States of America	THERMOSTAT WITH EXHAUST FAN CONTROL FOR AIR QUALITY AND HUMIDITY CONTROL	15/953166	4/13/2018
United States of America	THERMOSTAT WITH PREEMPTIVE HEATING, COOLING, AND VENTILATION IN RESPONSE TO ELEVATED OCCUPANCY DETECTION VIA PROXY	15/953228	4/13/2018

SCHEDULE A

Country	Title	Application Number	Application Date
United States of America	MULTI-FUNCTION THERMOSTAT WITH INTELLIGENT VENTILATOR CONTROL FOR FROST/MOLD PROTECTION AND AIR QUALITY CONTROL	15/953308	4/13/2018
P.C.T.	THERMOSTAT WITH OCCUPANCY DETECTION VIA PROXY	PCT/US2018/027515	4/13/2018
P.C.T.	THERMOSTAT WITH EXHAUST FAN CONTROL FOR AIR QUALITY AND HUMIDITY CONTROL	PCT/US2018/027610	4/13/2018
P.C.T.	MULTI-FUNCTION THERMOSTAT WITH INTELLIGENT SUPPLY FAN CONTROL FOR MAXIMIZING AIR QUALITY AND ENERGY USAGE	PCT/US2018/027629	4/13/2018
P.C.T.	THERMOSTAT WITH PREEMTIVE HEATING, COOLING, AND VENTILATION IN RESPONSE TO ELEVATED OCCUPANCY DETECTION VIA PROXY	PCT/US2018/027635	4/13/2018
P.C.T.	MULTI-FUNCTION THERMOSTAT WITH INTELLIGENT VENTILATOR CONTROL FOR FROST/MOLD PROTECTION AND AIR QUALITY CONTROL	PCT/US2018/027651	4/13/2018
United States of America	TRANSPARENT DISPLAY CONTROL DEVICE	62/672155	5/16/2018
United States of America	THERMOSTAT WITH DIRECTION HANDOFF FEATURES	16/030422	7/9/2018
United States of America	THERMOSTAT WITH HALO LIGHT SYSTEM AND EMERGENCY DIRECTIONS	62/783580	12/21/2018
United States of America	THERMOSTAT WITH HALO LIGHT SYSTEM AND EMERGENCY DIRECTIONS	16/246366	1/11/2019
United States of America	THERMOSTAT	29/677806	1/23/2019