PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7555693

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRIAN MOY	03/10/2020
CHRISTOPHER R. JONES	03/10/2020
MICHAEL CRITES	03/10/2020
ARNOLD KALLA	03/20/2020

RECEIVING PARTY DATA

Name:	ADEMCO INC.
Street Address:	1985 DOUGLAS DR. N.,
City:	GOLDEN VALLEY
State/Country:	MINNESOTA
Postal Code:	55422

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17934830

CORRESPONDENCE DATA

Fax Number: (651)735-1102

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 651-735-1100

Email: pairdocketing@ssiplaw.com

Correspondent Name: RESIDEO/SHUMAKER & SIEFFERT, P.A.

Address Line 1: 1625 RADIO DRIVE, SUITE 100 Address Line 4: WOODBURY, MINNESOTA 55125

ATTORNEY DOCKET NUMBER:	R213816-US-CON/1264-291US
NAME OF SUBMITTER:	CATHLEEN A. SHEPLEE
SIGNATURE:	/Cathleen A. Sheplee/
DATE SIGNED:	09/23/2022

Total Attachments: 8

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assigned by this Agreement;

for which application for patent in the United States:

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has invented new and useful improvements in:

WATER HEATING SYSTEM FOR CONTROLLING AN ABILITY TO SET A PARAMETER OF A CONTROLLER

<u>X</u>	has	been executed	on even date herewith;			
	was	executed on _				
	was	filed on		nd assigned U.S. a	Application No	
	AND	WHEREAS, th	e "Assigned Property" s	hall mean (i) the a	bove-identified U	nited States application
			on"), (ii) all inventions d			
pate	ent the	roughout the w	orld directed to the subj	ect matter of the A	pplication, (iv) th	e right of priority arising
from	i the	Application or	from such other applic	ations, under the	Paris Convention	on for the Protection of
Indu	istrial	Property or un	der relevant laws, treati	es, conventions o	r bilateral and mu	Itilateral agreements, i
any	jurisc	diction, (v) any	and all patents through	out the world res	ulting from the Ap	oplication or such othe
appl	icatic	on(s) for patents	i, and (vi) anv and all cla	ims against third t	arties in connecti	on with any of the right

AND WHEREAS, Ademico Inc., a Delaware corporation having a place of business at 1985 Douglas Drive N., Golden Valley, MN 55422, its successors and assigns (hereinafter individually and collectively referred to as "ASSIGNEE"), is desirous of acquiring ASSIGNOR's entire right, title, and interest in and to and resulting from said Assigned Property and in general all property rights included therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby irrevocably and unconditionally assign and transfer unto ASSIGNEE ASSIGNOR's entire right, title and interest in and to and resulting from the Assigned Property, and hereby authorizes and requests the Commissioner of Patents to issue said patent to ASSIGNEE for the sole use and benefit of ASSIGNEE; ASSIGNEE hereby accepts such transfer and assignment;

AND ASSIGNOR FURTHERMORE authorizes ASSIGNEE, or anyone it may properly designate, to insert on each page of this instrument (where indicated) the filing date and application number of said Application when known;

AND ASSIGNOR AGREES, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, but at no expense to ASSIGNOR, that ASSIGNOR or ASSIGNOR'S heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that ASSIGNEE desires to obtain or assert for the Assigned Property, including executing any and all papers desired by ASSIGNEE for the filing and granting of patent rights in the Assigned Property, the perfecting of title in ASSIGNEE, and in enforcing any rights in the Assigned Property.

This instrument is executed by, and shall be binding upon ASSIGNOR, and ASSIGNOR's heirs, executors and administrators, for the uses and purposes above set forth and referred to and shall inure to the benefit of ASSIGNEE or anyone it may properly designate.

If any provision of this assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this assignment shall remain in full force and effect.

This assignment shall be construed, governed, interpreted and applied in accordance with the laws of the State of Delaware, United States of America.

Dina M. Khaled

EXECUTED on behalf of ASSIGNEE and effective as of the latest date of the ASSIGNOR signature(s) below:

Vice President and Chief Intellectual Property Officer Ademico Inc.	
EXECUTED as of the date(s) set forth below on behalf of the A Brian Moy	ASSIGNOR: Date: <u>3</u> /10/2020
Christopher R. Jones	Date:
Michael Crites	Date:
Arnold Kalla	Date:

assigned by this Agreement;

for which application for patent in the United States: X has been executed on even date herewith:

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has invented new and useful improvements in:

WATER HEATING SYSTEM FOR CONTROLLING AN ABILITY TO SET A PARAMETER OF A CONTROLLER

wa	s executed on		e 				
wa	s filed on		_and assigned U.S	S. Application	n No	*******************************	
ANI	O WHEREAS, the	e "Assigned Property	/" shall mean (i) the	e above-iden	tified United S	States applica	tion
for pate	nt (the "Application	on"), (ii) all invention	s disclosed in the	Application,	(iii) any and a	ll applications	for
patent ti	hroughout the wo	rld directed to the su	ubject matter of the	e Application	, (iv) the right	of priority aris	sing
from the	e Application or	from such other ap	plications, under t	the Paris Co	nvention for t	the Protection	n of

Industrial Property or under relevant laws, treaties, conventions or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other application(s) for patents, and (vi) any and all claims against third parties in connection with any of the rights

AND WHEREAS, Ademco Inc., a Delaware corporation having a place of business at 1985 Douglas Drive N., Golden Valley, MN 55422, its successors and assigns (hereinafter individually and collectively referred to as "ASSIGNEE"), is desirous of acquiring ASSIGNOR's entire right, title, and interest in and to and resulting from said Assigned Property and in general all property rights included therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby irrevocably and unconditionally assign and transfer unto ASSIGNEE ASSIGNOR's entire right, title and interest in and to and resulting from the Assigned Property, and hereby authorizes and requests the Commissioner of Patents to issue said patent to ASSIGNEE for the sole use and benefit of ASSIGNEE; ASSIGNEE hereby accepts such transfer and assignment;

AND ASSIGNOR FURTHERMORE authorizes ASSIGNEE, or anyone it may properly designate, to insert on each page of this instrument (where indicated) the filing date and application number of said Application when known;

AND ASSIGNOR AGREES, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, but at no expense to ASSIGNOR, that ASSIGNOR or ASSIGNOR'S heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that ASSIGNEE desires to obtain or assert for the Assigned Property, including executing any and all papers desired by ASSIGNEE for the filing and granting of patent rights in the Assigned Property, the perfecting of title in ASSIGNEE, and in enforcing any rights in the Assigned Property.

This instrument is executed by, and shall be binding upon ASSIGNOR, and ASSIGNOR's heirs, executors and administrators, for the uses and purposes above set forth and referred to and shall inure to the benefit of ASSIGNEE or anyone it may properly designate.

If any provision of this assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this assignment shall remain in full force and effect.

This assignment shall be construed, governed, interpreted and applied in accordance with the laws of the State of Delaware, United States of America.

Dinom Khaled

ASSIGNMENT

EXECUTED on behalf of ASSIGNEE and effective as of the latest date of the ASSIGNOR signature(s) below:

<u>Dina M. Khaled</u> <u>Vice President and Chief Intellectual Property Officer</u> <u>Ademco Inc.</u>		
EXECUTED as of the date(s) set forth below on behalf or	f the ASSIGNOR:	
	Date:	
Brian Moy		
Christopher R. Jones	Date:3-10-2020	
	Date:	
Michael Crites		
Arnold Kalla	Date:	

for which application for patent in the United States:

X has been executed on even date herewith:

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has invented new and useful improvements in:

WATER HEATING SYSTEM FOR CONTROLLING AN ABILITY TO SET A PARAMETER OF A CONTROLLER

		•
	was executed on	·
******	was filed on	and assigned U.S. Application No;
	AND WHEREAS, the "Assigned Property	" shall mean (i) the above-identified United States application
for p	atent (the "Application"), (ii) all inventions	s disclosed in the Application, (iii) any and all applications for
pate	nt throughout the world directed to the su	bject matter of the Application, (iv) the right of priority arising

patent (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and all applications for patent throughout the world directed to the subject matter of the Application, (iv) the right of priority arising from the Application or from such other applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other application(s) for patents, and (vi) any and all claims against third parties in connection with any of the rights assigned by this Agreement;

AND WHEREAS, Ademco Inc., a Delaware corporation having a place of business at 1985 Douglas Drive N., Golden Valley, MN 55422, its successors and assigns (hereinafter individually and collectively referred to as "ASSIGNEE"), is desirous of acquiring ASSIGNOR's entire right, title, and interest in and to and resulting from said Assigned Property and in general all property rights included therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby irrevocably and unconditionally assign and transfer unto ASSIGNEE ASSIGNOR's entire right, title and interest in and to and resulting from the Assigned Property, and hereby authorizes and requests the Commissioner of Patents to issue said patent to ASSIGNEE for the sole use and benefit of ASSIGNEE; ASSIGNEE hereby accepts such transfer and assignment;

AND ASSIGNOR FURTHERMORE authorizes ASSIGNEE, or anyone it may properly designate, to insert on each page of this instrument (where indicated) the filing date and application number of said Application when known;

AND ASSIGNOR AGREES, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, but at no expense to ASSIGNOR, that ASSIGNOR or ASSIGNOR'S heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that ASSIGNEE desires to obtain or assert for the Assigned Property, including executing any and all papers desired by ASSIGNEE for the filing and granting of patent rights in the Assigned Property, the perfecting of title in ASSIGNEE, and in enforcing any rights in the Assigned Property.

This instrument is executed by, and shall be binding upon ASSIGNOR, and ASSIGNOR's heirs, executors and administrators, for the uses and purposes above set forth and referred to and shall inure to the benefit of ASSIGNEE or anyone it may properly designate.

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Diam Kald

ASSIGNMENT

EXECUTED on behalf of ASSIGNEE and effective as of the latest date of the ASSIGNOR signature(s) below:

Dina M. Khaled Vice President and Chief Intellectual Property Officer Ademco Inc.				
EXECUTED as of the date(s) set forth below on behalf	of the ASSIGNOR:			
	Date:			
Brian Moy				
	Date:			
Christopher R. Jones	-			
Michael Crites	Date:	3/10/2020		
Michael Crites				
	Date:			
Arnold Kalla				

for which application for patent in the United States:

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has invented new and useful improvements in:

WATER HEATING SYSTEM FOR CONTROLLING AN ABILITY TO SET A PARAMETER OF A

has been executed on even date herewith;	
Was Executed on	
X was filed on March 27, 2020 and assigned U.S. Application No.	16/833,500
AND WHEREAS, the "Assigned Property" shall mean (i) the above-identified I	United States application
ior paterii (the 'Application'), (ii) ali inventions disclosed in the Application, (iii) an	y and all applications for

AND WHEREAS, the "Assigned Property" shall mean (i) the above-identified United States application for patent (the Application), (ii) all inventions discussed in the Application, (iii) any and all applications for patent throughout the world directed to the subject matter of the Application. (iv) the right of priority arising from the Application or from such other applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions or bilateral and mutitateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other application(s) for patents, and (vi) any and all claims against third parties in connection with any of the rights assigned by this Agreement;

AND WHEREAS, Ademico Inc., a Delaware corporation having a place of business at 1985 Douglas Drive N., Golden Valley, MN 55422, its successors and assigns (hereinafter individually and collectively referred to as "ASSIGNEE"), is desirous of acquiring ASSIGNOR's entire right, title, and interest in and to and resulting from said Assigned Property and in general all property rights included therein;

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Lad Hald

ASSIGNMENT

EXECUTED on behalf of ASSIGNEE and effective as of the latest date of the ASSIGNOR signature(s) below:

<u>Dina M. Khaled</u> Vice President and Chief Intelle <u>Ademce Inc.</u>	ectual Property Officer		
70.8311.00 116.			
EXECUTED as of the date(s) s	et forth below on behalf of th	ie ASSIGNOR:	
		Date:	
Brian Moy			
		Date:	
Christopher R. Jones			
Michael Crites		Date:	
A + A + A + A + A + A + A + A + A + A +			
/ Just Fellic		Date: <u>3 -20</u>	Y= 20
Xmold Kalla			

PATENT REEL: 061196 FRAME: 0541

RECORDED: 09/23/2022