505742892 10/26/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT5789705

CONVEYING PARTY DATA

Name	Execution Date
RONI SHAMSIAN	08/27/2017
MAX DRANKOVSKY	09/04/2017
ALEXANDER SHAPIRA	09/04/2017

RECEIVING PARTY DATA

Name:	TYCO FIRE & SECURITY GMBH	
Street Address:	VICTOR VON BRUNS-STRASSE 21VI	
Internal Address:	NEUHAUSEN AM	
City:	RHEINFALL 8212	
State/Country:	SWITZERLAND	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16428200

CORRESPONDENCE DATA

Fax Number: (202)857-6395

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: 2028576000

Email: PATENTDOCKET@ARENTFOX.COM,tiffany.butler-pittman@arentfox.com

Correspondent Name: ARENT FOX LLP & JOHNSON CONTROLS ARENT F

Address Line 1: 1717 K STREET, NW

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ATTORNEY DOCKET NUMBER:	039636.00861
NAME OF SUBMITTER:	TIFFANY BUTLER
SIGNATURE:	/Tiffany Butler/
DATE SIGNED:	10/26/2019

Total Attachments: 10

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PATENT 505742892 REEL: 050834 FRAME: 0604

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PATENT REEL: 050834 FRAME: 0605

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4595990

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RONI SHAMSIAN	08/27/2017
MAX DRANKOVSKY	09/04/2017
ALEXANDER SHAPIRA	09/04/2017

RECEIVING PARTY DATA

Name:	TYCO FIRE & SECURITY GMBH	
Street Address: VICTOR VON BRUNS-STRASSE 21		
City:	NEUHAUSEN AM RHEINFALL	
State/Country:	SWITZERLAND	
Postal Code:	8212	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15677755

CORRESPONDENCE DATA

Fax Number: (781)863-9931

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: 7818639991

Email: deanne.johnson@houstonllp.com

Correspondent Name: J. GRANT HOUSTON
Address Line 1: HOUSTONHOGLE LLP

Address Line 2: 1666 MASSACHUSETTS AVENUE, SUITE 12
Address Line 4: LEXINGTON, MASSACHUSETTS 02420

ATTORNEY DOCKET NUMBER:	0309.0024US1/SIN00256US
NAME OF SUBMITTER:	J. GRANT HOUSTON
SIGNATURE:	/grant houston/
DATE SIGNED:	09/15/2017

Total Attachments: 8

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PATENT 504549282 REEL: 0**5**086 **FRAME**: 0**6**06

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PATENT REEL: 050805 FRAME: 0867

ATTORNEY DOCKET: 0309.0024US1 (S-IN-00256 US) (88159)

ASSIGNMENT

Whereas we, the undersigned,

Roni Shamsian, a citizen of Israel, residing at 7/27 Rafael Eitan, Holon, Israel;

Max Drankovsky, a citizen of Israel, residing at Ashtaol 3/32, Ashkelon, Israel;

Alexander Shapira, a citizen of Israel, residing at Tsalakh Shalom 3/19, Petach Tikva, Israel;

hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

SINGLE-ELEMENT DOOR/WINDOW OPENING DETECTOR

identified as Attorney Docket No. 0309.0024US1 (S-IN-00256 US) (88159), which application was filed on August 15, 2017, and assigned Application No. 15/677,755.

Whereas, **Tyco Fire & Security GmbH**, having an office and a place of business at Victor von Bruns-Strasse 21, Neuhausen am Rheinfall, Switzerland 8212, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

- 1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, reissue and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;
- 2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

PATENT REEL: 0**5**060**6** FRAME: 0608

- 4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;
- 5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment on the date indicated next to our name.

Dated:	27.8.2017	Roni Shamsian	
		Roni Shamsian	
	I declare that I did see the individual sign this docum		
Witness:		Date:	

PATENT ATTORNEY DOCKET: 0309.0024US1 (S-IN-00256 US) (88159)

Dated:	4.09.17	Alfr
		Max Drankovsky
	I declare that I did s individual sign this	ee the above-named document in my presence.
Witness:_		Date:
Dated:	4.09.17	Alle
		Alexander Shapira
	I declare that I did see the above-named individual sign this document in my presence.	
Witness:_		Date:

PATENT ATTORNEY DOCKET: 0309.0024US1 (S-IN-00256 US) (88159)

Declaration of Acceptance

Tyco Fire & Security GmbH hereby agrees to the aforementioned Assignment and applies for recording of the Assignment in the registers of the Patent and Trademark Offices worldwide.

Dated:	Name	
	Title	
	I declare that I did see the above-named individual sign this document in my presence.	
Witness:	Date:	

PATENT

ATTORNEY DOCKET: 0309.0024US1 (S-IN-00256 US) (88159)

ASSIGNMENT

Whereas we, the undersigned,

Roni Shamsian, a citizen of Israel, residing at 7/27 Rafael Eitan, Holon, Israel;

Max Drankovsky, a citizen of Israel, residing at Ashtaol 3/32, Ashkelon, Israel;

Alexander Shapira, a citizen of Israel, residing at Tsalakh Shalom 3/19, Petach Tikva, Israel;

hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

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identified as Attorney Docket No. 0309.0024US1 (S-IN-00256 US) (88159), which application was filed on August 15, 2017, and assigned Application No. 15/677,755.

Whereas, **Tyco Fire & Security GmbH**, having an office and a place of business at Victor von Bruns-Strasse 21, Neuhausen am Rheinfall, Switzerland 8212, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

- 1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, reissue and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;
- Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

PATENT REEL: 0**5**060**4** FRAME: 06**7**2

PATENT ATTORNEY DOCKET: 0309.0024US1 (S-IN-00256 US) (88159)

- 4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;
- 5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment on the date indicated next to our name.

		Roni Shamsian	
I declare that I did see the above-named individual sign this document in my presence.			
Witness:		Date:	

PATENT ATTORNEY DOCKET: 0309.0024US1 (S-IN-00256 US) (88159)

	Max Drankovsky	
	Date:	
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Managara Managara Managara Sanas Sana
		***************************************
	Alexander Shapira	
	Date:	
~	I declare that I did see the above-n individual sign this document in n	I declare that I did see the above-named individual sign this document in my presence.  Date:  Alexander Shapira  I declare that I did see the above-named individual sign this document in my presence.  Date:

## PATENT ATTORNEY DOCKET: 0309.0024US1 (S-IN-00256 US) (88159)

## Declaration of Acceptance

		ereby agrees to the aforementioned Assignment and in the registers of the Patent and Trademark Offices
worldwid		A Trademark Offices
Dated:	1 6 AUG 2017	
*******		Name James Graham Managing Director
		Title
	declare that I did see the individual sign this document	ment in my presence.
Witness:	NO HINDE	Date: 1 6 AUG 2017

RECORDED: 09/26/2019