

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DANIEL PAUL CIANFROCCO	12/07/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TYCO FIRE & SECURITY GMBH
<b>Street Address:</b>	VICTOR VON BRUNS-STRASSE 21
<b>City:</b>	NEUHAUSEN AM RHEINFALL
<b>State/Country:</b>	SWITZERLAND
<b>Postal Code:</b>	8212
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15838898
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(781)863-9931
<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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<b>Correspondent Name:</b>	J. GRANT HOUSTON
<b>Address Line 1:</b>	HOUSTONHOGLE LLP
<b>Address Line 2:</b>	1666 MASSACHUSETTS AVENUE, SUITE 12
<b>Address Line 4:</b>	LEXINGTON, MASSACHUSETTS 02420
<b>ATTORNEY DOCKET NUMBER:</b>	0324.0045US1/F-FD-00177US
<b>NAME OF SUBMITTER:</b>	J. GRANT HOUSTON
<b>SIGNATURE:</b>	/grant houston/
<b>DATE SIGNED:</b>	12/12/2017
<b>Total Attachments: 2</b>	
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PATENT

ATTORNEY DOCKET: 0324.0045US1 (F-FD-00177 US)

A S S I G N M E N T

Whereas I, the undersigned,

Daniel Paul Cianfrocco, a citizen of the United States, residing at 17 White Court, Apt. 1,  
Clinton, MA 01510,

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

Power Supply Ripple Detector

identified as Attorney Docket No. 0324.0045US1 (F-FD-00177 US) which application was filed  
on December 12, 2017, and assigned Application No. 15/838,898. In the event  
that the execution date, filing date and/or Application No. are not entered above at the time I  
execute this document, and if such information is deemed necessary, I hereby authorize and  
request my attorneys at HOUSTONHOGLE LLP, 1666 Massachusetts Avenue, Suite 12,  
Lexington, MA 02420, USA to insert above the execution date, filing date and/or Application  
No. of said application; and

Whereas, Tyco Fire & Security GmbH, having an office and a place of business at  
Victor von Bruns-Strasse 21, Neuhausen am Rheinfall 8212, Switzerland, 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 me, receipt and  
sufficiency of which I hereby acknowledge, I 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, 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 my name 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

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ATTORNEY DOCKET: 0324.0045US1 (F-FD-00177 US)

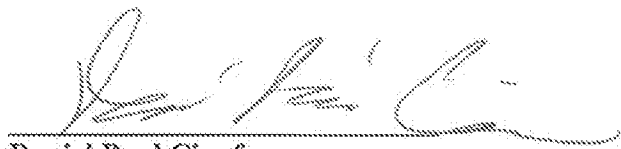
said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that I 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 I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me 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 me, my 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 me 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 my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

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

Dated: 12/7/17

  
Daniel Paul Cianfrocco

I declare that I did see the above-named individual sign this document in my presence.

Witness: Gregg Lopuszyk

Date: 12-7-17