

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Juergen J. Zach	09/25/2013
RECEIVING PARTY DATA	
Name:	Pentair Thermal Management LLC
Street Address:	307 Constitution Drive
City:	Menlo Park
State/Country:	CALIFORNIA
Postal Code:	94025
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13901393
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Correspondent Name:	QUARLES & BRADY LLP Attn: IP Docket
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Address Line 2:	SUITE 2350
Address Line 4:	MILWAUKEE, WISCONSIN 53202-4426
ATTORNEY DOCKET NUMBER:	148568.00007
NAME OF SUBMITTER:	Ellen Webb
Signature:	/Ellen Webb/
Date:	09/26/2013
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

CH \$40.00 13901393

## ASSIGNMENT

Pursuant to my obligations to Pentair Thermal Management LLC, a Delaware limited liability company having a place of business at 307 Constitution Drive, Menlo Park, CA 94025 (hereinafter referred to as "Assignee"), and for other valuable and sufficient consideration, receipt of which is hereby acknowledged, I:

Juergen J. Zach  
307 Constitution Drive  
Menlo Park, CA 94025

confirm my obligations to and hereby sell, assign and convey, unto Assignee, its successors and assigns, my entire right, title and interest -

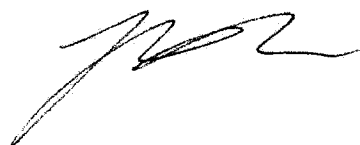
(1) in and to an invention entitled "SUB-HARMONIC ARC FAULT DETECTION SYSTEM AND METHOD" for which I have executed United States Patent Application Serial No. 13/901,393, filed May 23, 2013 (Atty. File No. 148568.0007);

(2) in and to said United States patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said invention, and in and to the patent or patents to be granted thereon, including reissues thereof, if any, to the full end of the term or terms for which said patent or patents may be granted;

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and

(4) under the International Convention in respect to the United States patent application and agree that any patent applications of any foreign countries which may be filed shall be filed in the name of the Assignee with a claim to priority based on said United States application.


And I hereby agree that I will, upon demand of Assignee, its successors or assigns, and without further consideration to me, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by me.



9/25/13

And the Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said United States patent or patents to Assignee.

9/25/13  
Date

  
Juergen J. Zach