

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>William D. Warner</td> <td>08/31/2012</td> </tr> <tr> <td>Anthony Eugene Zortea</td> <td>08/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	William D. Warner	08/31/2012	Anthony Eugene Zortea	08/28/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>PMC-Sierra, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1380 Bordeaux Drive</td> </tr> <tr> <td>City:</td> <td>Sunnyvale</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94089</td> </tr> </table>		Name:	PMC-Sierra, Inc.	Street Address:	1380 Bordeaux Drive	City:	Sunnyvale	State/Country:	CALIFORNIA	Postal Code:	94089
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 9497609502          Phone: 3105513450          Email: efiling@knobbe.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Michael S. Okamoto          Address Line 1: 2040 Main Street          Address Line 2: 14th Floor          Address Line 4: Irvine, CALIFORNIA 92614</p>											
ATTORNEY DOCKET NUMBER:	DATUMTE.075A										
NAME OF SUBMITTER:	Michael S. Okamoto										
Total Attachments: 2 source=DATUMTE.075A (Assignment)#page1.tif source=DATUMTE.075A (Assignment)#page2.tif											

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**ASSIGNMENT**

WHEREAS, William D. Warner, a United States citizen, residing at Maple Ridge, Canada, and Anthony Eugene Zortea, a United States citizen, residing at Pipersville, Pennsylvania, (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries related to GAIN CALIBRATION FOR A MUELLER-MULLER TYPE TIMING ERROR DETECTOR (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States has been prepared for filing (identified above) with the United States Patent and Trademark Office (hereinafter the "Application");


AND WHEREAS, PMC-Sierra, Inc., a Delaware Corporation, with its principal place of business at 1380 Bordeaux Drive, Sunnyvale, California 94089 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all provisional applications relating thereto (including but not limited to U.S. Provisional Application No(s). 61/509,914, filed July 20, 2011), and all nonprovisional applications claiming priority thereto, including, all divisions, continuations, continuations-in-part, reissues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

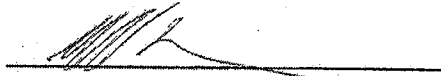
AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

This 31 day of AUGUST, 2012.

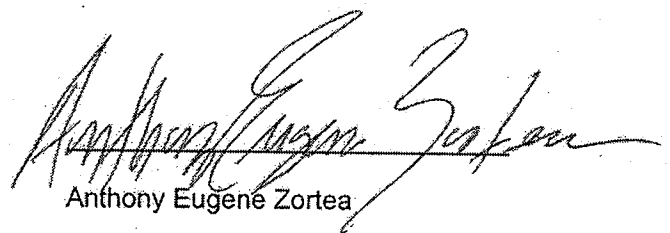


William D. Warner

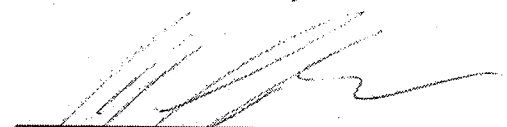


Witnessed by: Matt McAdam

This 28 day of AUGUST, 2012.



Anthony Eugene Zortea



Witnessed by: Russell Romano

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