

## 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>Anthony Eugene Zortea</td><td>02/20/2009</td></tr><tr><td>Mathew McAdam</td><td>02/27/2009</td></tr><tr><td>Mathieu Gagnon</td><td>03/02/2009</td></tr><tr><td>Graeme Boyd</td><td>02/27/2009</td></tr><tr><td>Winston Ki-Cheong Mok</td><td>02/27/2009</td></tr></tbody></table>	Name	Execution Date	Anthony Eugene Zortea	02/20/2009	Mathew McAdam	02/27/2009	Mathieu Gagnon	03/02/2009	Graeme Boyd	02/27/2009	Winston Ki-Cheong Mok	02/27/2009	
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RECEIVING PARTY DATA													
Name:	PMC-Sierra, Inc.												
Street Address:	Mission Tower One, 3975 Freedom Circle												
City:	Santa Clara												
State/Country:	CALIFORNIA												
Postal Code:	95054												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12349328</td></tr></tbody></table>	Property Type	Number	Application Number:	12349328									
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CORRESPONDENCE DATA													
Fax Number:	(949)760-9502												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	310-551-3450												
Email:	efiling@kmob.com												
Correspondent Name:	Knobbe Martens Olson & Bear, LLP												
Address Line 1:	2040 Main Street, 14th Floor												
Address Line 4:	Irvine, CALIFORNIA 92614												
ATTORNEY DOCKET NUMBER:	DATUMTE.057A												
NAME OF SUBMITTER:	Michael S. Okamoto												

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PATENT  
REEL: 022379 FRAME: 0250

Total Attachments: 3

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**PATENT**

**REEL: 022379 FRAME: 0251**

### ASSIGNMENT

WHEREAS, We, Anthony Eugene Zortea, a United States citizen, residing at 5129 Meadowbrook Place, Pipersville, Pennsylvania 18947; Mathew McAdam, a Canadian citizen, residing at 202-3133 Cambie St., Vancouver, British Columbia, V5Z 4N2, Canada; Mathieu Gagnon, a Canadian citizen, residing at 1241 Beatty, Verdun, Quebec, H4H 1Y2, Canada; Graeme Boyd, a Canadian citizen, residing at 308 Roche Point Drive, North Vancouver, British Columbia, V7G 2M2, Canada; and Winston Ki-Cheong Mok, a Canadian citizen, residing at 3895 West 36th Avenue, Vancouver, British Columbia, Canada V6N 2S5 have invented certain new and useful improvements in an **INTEGRATED TUNABLE RF NOTCH FILTER** for which we have filed an application for Letters Patent on January 6, 2009 in the United States, Application No. 12/349,328.

AND WHEREAS, PMC-Sierra, Inc. (hereinafter "ASSIGNEE"), a DELAWARE Corporation, with its principal place of business at 3975 Freedom Circle, Mission Tower One, Santa Clara, California 95054 desires to acquire the entire right, title, and interest in and to said improvements and said Application:

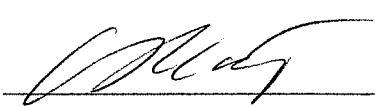
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby 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, to and under said improvements, and said application including all provisional applications relating thereto, and all divisions, renewals and continuations 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 applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request 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 Letters Patent for said improvements to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE DO 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 WE HEREBY covenant and agree that we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

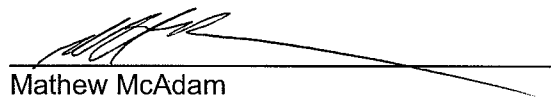
IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 20 day of Feb, 2009.

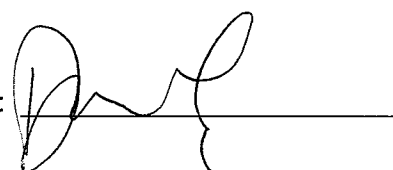
  
Anthony Eugene Zortea

Witnessed by: 

Date: 02-20-09

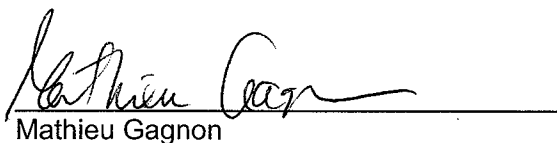
IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of Feb, 2009.

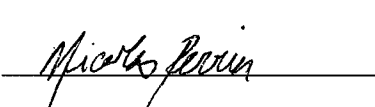
  
Mathew McAdam

Witnessed by: 

Date: Feb 27, 2009

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 2<sup>nd</sup> day of March, 2009.

  
Mathieu Gagnon

Witnessed by: 

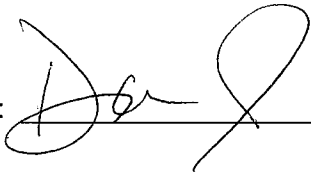
Date: 02-March-2009

Application No.: 12/349,328  
Filing Date: January 6, 2009

**PATENT**  
Client Code: DATUMTE.057A  
Page 3


IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of Feb, 2009.


  
Graeme Boyd

Witnessed by: 

Date: FEB 27 2009

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27<sup>th</sup> day of February, 2009.

  
Winston Ki-Cheong Mok

Witnessed by: 

Date: FEB 27 2009

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021809

**PATENT**

**RECORDED: 03/11/2009**

**REEL: 022379 FRAME: 0254**