

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Guillaume Fortin</td> <td>04/26/2006</td> </tr> <tr> <td>Larrie Carr</td> <td>04/27/2006</td> </tr> <tr> <td>Yuriy M. Greshishchev</td> <td>04/25/2006</td> </tr> <tr> <td>Alex Cochran</td> <td>04/24/2006</td> </tr> <tr> <td>Junqi (Paul) Hua</td> <td>04/27/2006</td> </tr> </tbody> </table>		Name	Execution Date	Guillaume Fortin	04/26/2006	Larrie Carr	04/27/2006	Yuriy M. Greshishchev	04/25/2006	Alex Cochran	04/24/2006	Junqi (Paul) Hua	04/27/2006
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Alex Cochran	04/24/2006												
Junqi (Paul) Hua	04/27/2006												
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" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11237622</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11237622								
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Application Number:	11237622												
CORRESPONDENCE DATA													
Fax Number:	(949)760-9502												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	3105513450												
Email:	efiling@kmob.com												
Correspondent Name:	Michael S. Okamoto												
Address Line 1:	2040 Main Street												
Address Line 2:	14th Floor												
Address Line 4:	Irvine, CALIFORNIA 92614												
ATTORNEY DOCKET NUMBER:	DATUMTE.029A												
NAME OF SUBMITTER:	Michael S. Okamoto												

CH \$40.00 11237622

Total Attachments: 5

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ASSIGNMENT

WHEREAS, We, Guillaume Fortin, a citizen of Canada, residing at 1324 Brown Avenue, Verdun, Quebec, H4H 2A9, Canada, Larrie Carr, a citizen of Canada, residing at 107 Strong Road, Anmore, British Columbia, V3H 5E9 Canada, Yuriy M. Greshishchev, a citizen of Canada, residing at 51 Manning Court, Kanata, Ontario, K2K 3N3 Canada, Alex Cochran, a citizen of Canada, residing at 7865 216th Street, Langley, British Columbia, V2Y 2S6, Canada, and Junqi (Paul) Hua, a citizen of Canada, residing at 30 Laxford Drive, Kanata, Ontario, K2K 3E3, Canada, have invented certain new and useful improvements on a CLOCK AND DATA RECOVERY LOCKING TECHNIQUE FOR LARGE FREQUENCY OFFSETS, for which we have executed an application for Letters Patent in the United States, with Application No. 11/237,622, Filed on September 28, 2005;

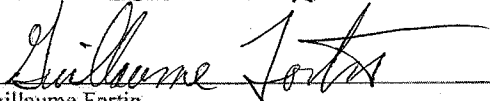
AND WHEREAS, PMC-Sierra, Inc. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at Mission Tower One, 3975 Freedom Circle, Santa Clara, California 95054, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

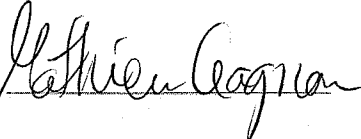
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and 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 we 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 the 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 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 ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to the 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 the 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 26th day of APRIL, 2006.


Guillaume Fortin

Witnessed by:  Date: April 26th, 2006

ASSIGNMENT

820 INNES STREET

WHEREAS, We, Guillaume Fortin, a citizen of Canada, residing at 1324 Brown Avenue, Verdun, Quebec, H4H 2A9, Canada, Larrie Carr, a citizen of Canada, residing at ~~107 Strong Road, Anmore, British Columbia, V3H 5E9~~ Canada, Yuriy M. Greshishchev, a citizen of Canada, residing at 51 Manning Court, Kanata, Ontario, K2K 3N3 Canada, Alex Cochran, a citizen of Canada, residing at 7865 216th Street, Langley, British Columbia, V2Y 2S6, Canada, and Junqi (Paul) Hua, a citizen of Canada, residing at 30 Laxford Drive, Kanata, Ontario, K2K 3E3, Canada, have invented certain new and useful improvements on a CLOCK AND DATA RECOVERY LOCKING TECHNIQUE FOR LARGE FREQUENCY OFFSETS, for which we have executed an application for Letters Patent in the United States, with Application No. 11/237,622, Filed on September 28, 2005;

VIL 594

AND WHEREAS, PMC-Sierra, Inc. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at Mission Tower One, 3975 Freedom Circle, Santa Clara, California 95054, desires to acquire the entire right, title, and interest in and to the said improvements and the 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, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and 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 we 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 the 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 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 ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to the 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 the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

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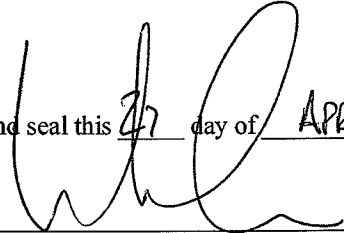
Guillaume Fortin

Witnessed by: _____ Date: _____

Application No.: 11/237,622
Filing Date: September 28, 2005

PATENT
Client Code: DATUMTE.029A
Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of APRIL, 2006.



Larrie Carr


Witnessed by: Betty Anderson Date: Apr. 27/06

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____, 2006.

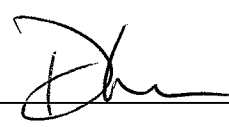
Yuriy M. Greshishchev

Witnessed by: _____ Date: _____

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 24 day of APRIL, 2006.



Alex Cochran

Witnessed by:  Date: April 24, 2006

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____, 2006.

Junqi (Paul) Hua

Witnessed by: _____ Date: _____

2456183/lfg
032206

PATENT
REEL: 017610 FRAME: 0206

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 2006.

Larrie Carr

Witnessed by: _____ Date: _____

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 2006.

Yuriy M. Greshishchev

Witnessed by: _____ Date: _____

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of APRIL, 2006.

Alex Cochran

Witnessed by: [Signature] Date: April 24, 2006

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of April, 2006.

Junqi (Paul) Hua

Witnessed by: [Signature] Date: 4/27/06

2456183/llg
032206

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 2006.

Larrie Carr

Witnessed by: _____ Date: _____

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 25 day of April, 2006.

Yuriy M. Freshishchev
Yuriy M. Freshishchev

Witnessed by: [Signature] Date: Apr 25, 2006

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 24 day of APRIL, 2006.

[Signature]
Alex Cochran

Witnessed by: [Signature] Date: April 24, 2006

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 2006.

Junqi (Paul) Hua

Witnessed by: _____ Date: _____

2456183/Ug
032206

