

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Zachy HARAMATY</td> <td>05/27/2009</td> </tr> <tr> <td>Jeff MANDIN</td> <td>05/27/2009</td> </tr> <tr> <td>Valentin OSSMAN</td> <td>05/27/2009</td> </tr> </tbody> </table>		Name	Execution Date	Zachy HARAMATY	05/27/2009	Jeff MANDIN	05/27/2009	Valentin OSSMAN	05/27/2009				
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<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>PMC Sierra Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>4 Hasadnaot Street</td> </tr> <tr> <td>Internal Address:</td> <td>POB 2089</td> </tr> <tr> <td>City:</td> <td>Herzlia Pituach, 46120</td> </tr> <tr> <td>State/Country:</td> <td>ISRAEL</td> </tr> <tr> <td>Postal Code:</td> <td>46120</td> </tr> </table>		Name:	PMC Sierra Ltd.	Street Address:	4 Hasadnaot Street	Internal Address:	POB 2089	City:	Herzlia Pituach, 46120	State/Country:	ISRAEL	Postal Code:	46120
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PROPERTY NUMBERS Total: 1													
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (301)952-9023</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 301-952-1011</p> <p>Email: mark_f@friedpat.com</p> <p>Correspondent Name: DR. MARK M. FRIEDMAN</p> <p>Address Line 1: 9003 FLORIN WAY</p> <p>Address Line 2: C/O BILL POLKINGHORN DISCOVERY DISPATCH</p> <p>Address Line 4: UPPER MARLBORO, MARYLAND 20772</p>													
ATTORNEY DOCKET NUMBER:	2823/98												
NAME OF SUBMITTER:	Mark M. Friedman												

CH \$40.00 12472477

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**PATENT**  
**REEL: 022737 FRAME: 0122**

Total Attachments: 1  
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## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

Zachy HARAMATY, 2/2 Ruth Street, Ramat Gan, 52524, ISRAEL  
Jeff MANDIN, 4 Ben-Gamla Street, Jerusalem, 93188, ISRAEL  
Valentin OSSMAN, 14/17 Avraham Shpiegelman Street, Netanya, 42758, ISRAEL

(hereinafter called the "assignor(s)"), hereby sell(s), assign(s) and transfer(s) to:

PMC Sierra Ltd.  
4 Hasadnaot Street POB 2089  
Herzlia Pituach, 46120  
ISRAEL

(hereinafter called the "assignee(s)"), its/his successors, assignees, nominees or other legal representatives, the assignor's entire right, title and interest in and to the invention entitled:

### **IMPROVED REPORTING MECHANISM FOR EFFICIENT UPSTREAM BANDWIDTH UTILIZATION IN A 10G EPON**

described and claimed in the following patent applications:

U.S. Patent Application No. 12/472,477, filed on May 27, 2009 identified as Attorney docket No. 2823/98;

and in and to said Patent Applications, and all original and reissued Patents granted therefor, and all divisions and continuations thereof, including the right to apply and obtain Patents in all other countries, the priority rights under International Conventions, and the Letters Patent which may be granted thereon.

Signed and sealed this 27 day of May 2009

  
Zachy HARAMATY

  
Jeff MANDIN

  
Valentin OSSMAN