

PATENT ASSIGNMENT

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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>Winston Ki-Cheong MOK</td> <td>04/05/2013</td> </tr> <tr> <td>Somu Karuppan CHETTY</td> <td>04/05/2013</td> </tr> <tr> <td>Jonathan AVEY</td> <td>05/09/2013</td> </tr> <tr> <td>Steven Scott GORSHE</td> <td>03/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	Winston Ki-Cheong MOK	04/05/2013	Somu Karuppan CHETTY	04/05/2013	Jonathan AVEY	05/09/2013	Steven Scott GORSHE	03/21/2013
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Jonathan AVEY	05/09/2013										
Steven Scott GORSHE	03/21/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>PMC-SIERRA US, 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 US, INC.	Street Address:	1380 Bordeaux Drive	City:	Sunnyvale	State/Country:	CALIFORNIA	Postal Code:	94089
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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>13836100</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13836100						
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Application Number:	13836100										
CORRESPONDENCE DATA											
<p>Fax Number: 8884809618 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2077784870 Email: DRH@LETTERSPATENT.COM Correspondent Name: PATENT LAW OFFICE OF D.R. HASZKO Address Line 1: 499 MOSHER HILL ROAD Address Line 4: FARMINGTON, MAINE 04938</p>											
ATTORNEY DOCKET NUMBER:	50916.74										
NAME OF SUBMITTER:	Dennis R. Haszko										
Signature:	/Dennis R. Haszko, Reg. No. 39,575/										

Date:

05/15/2013

Total Attachments: 9

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WORLDWIDE

ASSIGNMENT

We:

Winston Ki-Cheong MOK, 3895 West 36th Avenue, Vancouver, British Columbia, V6N 2S5, CANADA

Somu Karuppan CHETTY, 104-1615 Trafalgar Street, Vancouver, British Columbia, V6K 3R6, CANADA

Jonathan AVEY, 1723 Alberni Street, Apt 1807, Vancouver, British Columbia, V6G 3G9, CANADA

Steven Scott GORSHE, 16755 N.W. Sandelle Court, Beaverton, Oregon, 97006, UNITED STATES OF AMERICA

for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, do hereby sell and assign to:

PMC-SIERRA US, INC.
1380 Bordeaux Drive
Sunnyvale, California
94089
UNITED STATES OF AMERICA

all our right, title and interest in the United States of America, Canada, and all countries foreign thereto, in and to the invention(s) disclosed in U.S. Patent Application No. 13/836,100 filed March 15, 2013, relating to, and entitled:

JUSTIFICATION INSERTION AND REMOVAL IN GENERIC MAPPING PROCEDURE IN AN
OPTICAL TRANSPORT NETWORK

and to any application for patent claiming subject matter relating thereto, including United States Patent Application No. 61/704,259, filed September 21, 2012, and to all our corresponding right, title and interest in and to any patent issued therefrom, and to any patent issued from a continuation, continuation-in-part, re-issue, divisional or re-examination application derived, or claiming priority, from the above application.

We authorize the firm of Borden Ladner Gervais LLP to insert any further identification necessary to make this assignment suitable for recordation in the Patent Offices of any country as may be required.

Winston Ki-Cheong MOK		Witness:	
Executed at <u>Burnaby</u> <small>City</small>		<u>Michael Smith</u> <small>Print Name</small>	
<u>BC Canada</u> <small>Province/State, Country</small>		whose full post office address is <u>429 San Remo Drive</u> <u>Port Moody, BC</u>	
This <u>5th</u> day of <u>April</u> <u>2012</u> <small>Day Month Year</small>		was personally present and did see Winston Ki-Cheong MOK execute the within assignment and such assignor is personally known to me.	
<u>[Signature]</u> <small>Signature</small>		<u>[Signature]</u> <small>Signature</small>	

Somu Karuppan CHETTY		Witness:	
Executed at <u>Burnaby</u> <small>City</small>		<u>Michael Smith</u> <small>Print Name</small>	
<u>BC</u> <small>Province/State, Country</small>		whose full post office address is <u>429 San Remo Drive</u> <u>Port Moody, BC</u>	
This <u>5</u> day of <u>April</u> <u>2012</u> <small>Day Month Year</small>		was personally present and did see Somu Karuppan CHETTY execute the within assignment and such assignor is personally known to me.	
<u>[Signature]</u> <small>Signature</small>		<u>[Signature]</u> <small>Signature</small>	

<p>Jonathan AVEY</p> <p>Executed at _____ City _____ Province/State, Country _____</p> <p>This _____ day of _____, _____ Day Month Year</p> <p>_____ Signature</p>	<p><u>Witness:</u></p> <p>I, _____ Print Name</p> <p>whose full post office address is _____ _____ _____</p> <p>was personally present and did see Jonathan AVEY execute the within assignment and such assignor is personally known to me.</p> <p>_____ Signature</p>
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<p>Steven Scott GORSHE</p> <p>Executed at _____ City _____ Province/State, Country _____</p> <p>This _____ day of _____, _____ Day Month Year</p> <p>_____ Signature</p>	<p><u>Witness:</u></p> <p>I, _____ Print Name</p> <p>whose full post office address is _____ _____ _____</p> <p>was personally present and did see Steven Scott GORSHE execute the within assignment and such assignor is personally known to me.</p> <p>_____ Signature</p>
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WORLDWIDE

ASSIGNMENT

We:

Winston Ki-Cheong MOK, 3895 West 36th Avenue, Vancouver, British Columbia, V6N 2S5, CANADA

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1380 Bordeaux Drive
Sunnyvale, California
94089
UNITED STATES OF AMERICA**

all our right, title and interest in the United States of America, Canada, and all countries foreign thereto, in and to the invention(s) disclosed in U.S. Patent Application No. **13/836,100** filed **March 15, 2013**, relating to, and entitled:

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<p>Winston Ki-Cheong MOK</p> <p>Executed at _____ City</p> <p>_____ Province/State, Country</p> <p>This _____ day of _____, _____ Day Month Year</p> <p>_____ Signature</p>	<p><u>Witness:</u></p> <p>I, _____ Print Name</p> <p>whose full post office address is</p> <p>_____</p> <p>_____</p> <p>was personally present and did see Winston Ki-Cheong MOK execute the within assignment and such assignor is personally known to me.</p> <p>_____ Signature</p>
--	---

<p>Somu Karuppan CHETTY</p> <p>Executed at _____ City</p> <p>_____ Province/State, Country</p> <p>This _____ day of _____, _____ Day Month Year</p> <p>_____ Signature</p>	<p><u>Witness:</u></p> <p>I, _____ Print Name</p> <p>whose full post office address is</p> <p>_____</p> <p>_____</p> <p>was personally present and did see Somu Karuppan CHETTY execute the within assignment and such assignor is personally known to me.</p> <p>_____ Signature</p>
---	--

<p>Jonathan AVEY</p> <p>Executed at <u>Burnaby</u> <small>City</small></p> <p><u>BC, Canada</u> <small>Province/State, Country</small></p> <p>This <u>9th</u> day of <u>May</u>, <u>2013</u> <small>Day Month Year</small></p> <p><u>[Signature]</u> <small>Signature</small></p>	<p><u>Witness:</u></p> <p>I, <u>Patrick Bailey</u> <small>Print Name</small></p> <p>whose full post office address is <u>1279 Oriole Place</u> <u>Port Coquitlam, BC, V3B5L4</u></p> <p>was personally present and did see Jonathan AVEY execute the within assignment and such assignor is personally known to me.</p> <p><u>[Signature]</u> <small>Signature</small></p>
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<p>Steven Scott GORSHE</p> <p>Executed at _____ <small>City</small></p> <p>_____ <small>Province/State, Country</small></p> <p>This _____ day of _____, _____ <small>Day Month Year</small></p> <p>_____ <small>Signature</small></p>	<p><u>Witness:</u></p> <p>I, _____ <small>Print Name</small></p> <p>whose full post office address is _____ _____</p> <p>was personally present and did see Steven Scott GORSHE execute the within assignment and such assignor is personally known to me.</p> <p>_____ <small>Signature</small></p>
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Winston Ki-Cheong MOK	Witness:
Executed at _____	I, _____
<div style="text-align: center;">City</div>	<div style="text-align: center;">Print Name</div>
_____	whose full post office address is
<div style="text-align: center;">Province/State, Country</div>	_____
This _____ day of _____	was personally present and did see Winston Ki-Cheong MOK execute the within assignment
<div style="text-align: center;">Day Month Year</div>	and such assignor is personally known to me.
_____	_____
<div style="text-align: center;">Signature</div>	<div style="text-align: center;">Signature</div>

Somu Karuppan CHETTY	Witness:
Executed at _____	I, _____
<div style="text-align: center;">City</div>	<div style="text-align: center;">Print Name</div>
_____	whose full post office address is
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<div style="text-align: center;">Day Month Year</div>	and such assignor is personally known to me.
_____	_____
<div style="text-align: center;">Signature</div>	<div style="text-align: center;">Signature</div>

Jonathan AVEY

Executed at _____
City _____
Province/State, Country _____

This _____ day of _____
Day Month Year

Signature

Witness:

I, _____
Print Name

whose full post office address is

was personally present and did see **Jonathan AVEY** execute the within assignment and such assignor is personally known to me.

Signature

Executed at _____
City

This _____ day of _____, _____
Day Month Year

Wine

whose full post office address is

was personally present and did see Jonathan AVEY execute the within assignment and such assignor is personally known to me.

Signature _____

Steven Scott GORSHE

Executed at BEAVERTON
City
OREGON, U.S.A.
Province/State, Country

This 21 day of MARCH 2013
Day Month Year

Steven Scott Gorshe
Signature

Witness:
1. Crystal Livingston
Print Name
whose full post office address is
1705 SW Nimbus Ave Suite 100
Beaverton OR 97008
was personally present and did see **Steven Scott GORSHE** execute the within assignment and such assignor is personally known to me.

Capt [Signature]
Signature

Executed at BEAVER TOWN

This 21 day of MARCH, 2013
Day Month Year

Witness:

whose full post office address is

7705 SW Nimbus Ave Suite 100
Beaverton OR 97008

was personally present and did see **Steven Scott GORSHE** execute the within assignment and such assignor is personally known to me.

Signature _____