

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| DANIEL KIM | 09/30/2013 |
| RECEIVING PARTY DATA | |
| Name: | PMC-SIERRA US, INC. |
| Street Address: | 1380 BORDEAUX DRIVE |
| City: | SUNNYVALE |
| State/Country: | CALIFORNIA |
| Postal Code: | 94089 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14990148 |
| CORRESPONDENCE DATA | |
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| NAME OF SUBMITTER: | RONAN O'BYRNE |
| SIGNATURE: | /Ronan O'Byrne/ |
| DATE SIGNED: | 10/19/2016 |
| Total Attachments: 1 | |
| source=Parent_Assignment#page1.tif | |

WORLDWIDE

ASSIGNMENT

I:

Daniel KIM, 54 Hawthorn Drive, Port Moody, British Columbia, V3H 0H6, CANADA

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

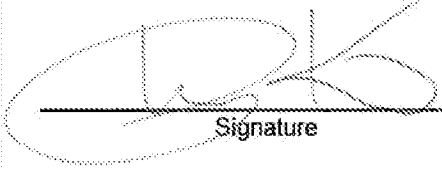

PMC-SIERRA US, INC.
1380 Bordeaux Drive
Sunnyvale, California
94089
UNITED STATES OF AMERICA

all my right, title and interest in the United States of America, Canada, and all countries foreign thereto, in and to the invention, disclosed in, relating to, and entitled:

METHOD FOR MANUFACTURING OPTICAL ENGINE PACKAGES AND APPARATUS FROM WHICH OPTICAL ENGINE PACKAGES ARE MANUFACTURED

and to any application for patent claiming priority therefrom, and to all my 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.

I 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.

| | |
|---|--|
| <p>Daniel KIM</p> <p>Executed at <u>Burnaby</u> City</p> <p><u>British Columbia</u> Province/State, Country</p> <p>This <u>30</u> day of <u>Sept</u>, <u>2013</u>. Day Month Year</p> <p> Signature</p> | <p><u>Witness:</u></p> <p>I, <u>JINSHENG HU</u> Print Name</p> <p>whose full post office address is <u>8555 Baxter Pl. Burnaby,</u> <u>BC USA V7</u></p> <p>was personally present and did see Daniel KIM execute the within assignment and such assignor is personally known to me.</p> <p> Signature</p> |
|---|--|