

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>Jia-Hung Tseng</td> <td>10/12/2012</td> </tr> <tr> <td>Peter L. Chang</td> <td>10/12/2012</td> </tr> <tr> <td>Miriam R. Reshotko</td> <td>10/15/2012</td> </tr> <tr> <td>Ibrahim Ban</td> <td>10/15/2012</td> </tr> <tr> <td>Mauro J. Kobrinsky</td> <td>10/12/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jia-Hung Tseng	10/12/2012	Peter L. Chang	10/12/2012	Miriam R. Reshotko	10/15/2012	Ibrahim Ban	10/15/2012	Mauro J. Kobrinsky	10/12/2012
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<table border="1"> <tr> <td>Name:</td> <td>Intel Corporation</td> </tr> <tr> <td>Street Address:</td> <td>2200 Mission College Boulevard</td> </tr> <tr> <td>City:</td> <td>Santa Clara</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95052</td> </tr> </table>		Name:	Intel Corporation	Street Address:	2200 Mission College Boulevard	City:	Santa Clara	State/Country:	CALIFORNIA	Postal Code:	95052		
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CORRESPONDENCE DATA													
<p>Fax Number: 2062920460 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2066221711 Email: tnielsen@schwabe.com Correspondent Name: Schwabe, Williamson & Wyatt, P.C. Address Line 1: 1420 Fifth Avenue Address Line 2: Sutie 3400 Address Line 4: Seattle, WASHINGTON 98101</p>													
ATTORNEY DOCKET NUMBER:	125157-184489												
NAME OF SUBMITTER:	Todd Nielsen												
<p>Total Attachments: 3 source=125157-184489 Executed Assignment#page1.tif source=125157-184489 Executed Assignment#page2.tif source=125157-184489 Executed Assignment#page3.tif</p>													

CH \$40.00 13536329

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged that the undersigned,

ASSIGNOR(S): Jia-Hung Tseng
Peter L. Chang
Miriam R. Reshotko
Ibrahim Ban
Mauro J. Kobrinsky

hereby sell, assign, and transfer to

ASSIGNEE: Intel Corporation
2200 Mission College Boulevard
Santa Clara, California 95052

and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent entitled:

WAVEGUIDE INTEGRATION ON LASER FOR ALIGNMENT-TOLERANT ASSEMBLY

(I hereby authorize and request my attorney, associated with Customer Number 31817, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on June 28, 2012 as
United States Application Number 13/536,329 and

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Inventors: Please sign and date below:

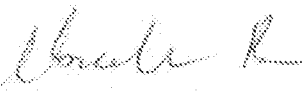
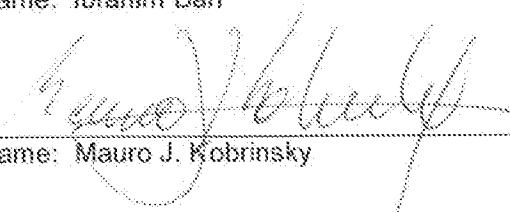
10/12/2012 Jia-Hung Tseng
Date Name: Jia-Hung Tseng

Oct 12, 2012 Peter L. Chang
Date Name: Peter L. Chang

10/15/2012 Miriam R. Reshotko
Date Name: Miriam R. Reshotko

Attorney Docket No. 125157-184489
IPN: P42245

PATENT

<u>10/15/2012</u>	<u></u>
Date	Name: Ibrahim Ban
<u>10/12/2012</u>	<u></u>
Date	Name: Mauro J. Kobrinsky

Assignment Document Return Address:

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Portland, Oregon 97204
Telephone: 503-222-9981