

PATENT ASSIGNMENT

Electronic Version v1.1

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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 style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>John Heck</td> <td>07/30/2010</td> </tr> <tr> <td>Ansheng Liu</td> <td>07/30/2010</td> </tr> <tr> <td>Mario J. Panicia</td> <td>07/30/2010</td> </tr> </tbody> </table>		Name	Execution Date	John Heck	07/30/2010	Ansheng Liu	07/30/2010	Mario J. Panicia	07/30/2010		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">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											
Fax Number: (503)439-6073 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 503 439-8778 Email: julie_dussault@bstz.com Correspondent Name: Blakely Sokoloff Taylor & Zafman Address Line 1: 1279 Oakmead Parkway Address Line 4: Sunnyvale, CALIFORNIA 94085-4040											
ATTORNEY DOCKET NUMBER:	42P35034										
NAME OF SUBMITTER:	Julie Dussault										
Total Attachments: 2 source=P35034_Assignment_executed#page1.tif source=P35034_Assignment_executed#page2.tif											

CH \$40.00 12825257

PATENT

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REEL: 025581 FRAME: 0714

ASSIGNMENT

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

John Heck; Ansheng Liu; Mario J. Paniccía

hereby sell, assign, and transfer to

Intel Corporation

a Corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California 95052 United States ("Assignee"), 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 inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which for the non-provisional application may have a declaration executed by the undersigned prior hereto or concurrently herewith and which application (provisional or non-provisional) is entitled

OPTICAL RECEIVER ARCHITECTURE USING A MIRRORED SUBSTRATE

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

United States Patent Application Number 12/825,257 filed June 28, 2010,

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, 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 inventions or 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 inventions or 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 inventions or 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 provisional applications, non-provisional applications, utility applications, design applications, 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 inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or 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.

Each Inventor: Please Sign and Date Below:

7/30/10 [Signature]
Date Name: **John Heck**

7/30/2010 [Signature]
Date Name: **Ansheng Liu**

Date Name: **Mario J. Paniccia**

7/30/2010 [Signature]
Date Name: _____

Date Name: _____

Date Name: _____

Date Name: _____

Date Name: _____

Date Name: _____

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Date Name: _____

Date Name: _____

Assignment Document Return Address:
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