

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Frank Wang	08/01/2007
Darren Crews	08/02/2007
Lee Xu	08/02/2007
Graham Flower	08/02/2007
Miaobin Gao	08/01/2007
Chien-Chang Liu	08/02/2007
Jesse Chin	08/01/2007
Brian Kim	08/01/2007
William Wang	08/01/2007
Guobin Liu	08/01/2007
Xiaojie Xu	08/02/2007
Thiri Lwin	08/01/2007
Yousheng Wu	08/01/2007
Simon Lee 2	08/01/2007

RECEIVING PARTY DATA

Name:	Intel Corporation
Street Address:	2200 Mission College Blvd.
City:	Santa Clara
State/Country:	CALIFORNIA
Postal Code:	95052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11648491

CORRESPONDENCE DATA

Fax Number: (612)332-8352

CH \$40.00 11648491

501198363

**PATENT
 REEL: 024501 FRAME: 0649**

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Email: jchhabra@cpaglobal.com
Correspondent Name: Intel Corporation
Address Line 1: c/o CPA Global
Address Line 2: PO Box 52050
Address Line 4: Minneapolis, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:

P24136

NAME OF SUBMITTER:

Jenny Hollingsworth Kathman

Total Attachments: 5

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To: Cathy Dikes

Attorney Docket No.: P24136

ASSIGNMENT

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

Frank Wang
Darren Crews
Lei Xu
Graham Flower
Miaobin Gao
Chien-Chang Liu
Jesse Chin

Brian Kim
William Wang
Guobin Liu
Xiaojie Xu
Thiri Lwin
Yousheng Wu
Simon Lee 2

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 USA ("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 and improvements that are disclosed in the application for the United States patent entitled:

REDUNDANT CHANNEL IMPLEMENTATION TO EXTEND OPTICAL TRANSCEIVER LIFETIME AND RELIABILITY

(I hereby authorize and request my attorney, associated with Customer Number 59796, to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on December 28, 2006 as

United States Application Number 11/648,491 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 design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, 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 and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority resulting from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and 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 design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and 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 and 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 and improvements and for vesting title to said inventions and 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.

Full Name of First/Sole Inventor	Frank Wang		
Inventor's Signature	<u>Frank Wang</u>	Date	<u>Aug. 1, 2007</u>
Full Name of Second/Joint Inventor	Darren Crews		
Inventor's Signature	<u>[Signature]</u>	Date	<u>8/2/2007</u>
Full Name of Third/Joint Inventor	Lee Xu		
Inventor's Signature	<u>[Signature]</u>	Date	<u>8/2/2007</u>
Full Name of Fourth/Joint Inventor	Graham Flower		
Inventor's Signature	_____	Date	_____
Full Name of Fifth/Joint Inventor	Miaobin Gao		
Inventor's Signature	<u>[Signature]</u>	Date	<u>Aug. 1, 2007</u>
Full Name of Sixth/Joint Inventor	Chien-Chang Liu		
Inventor's Signature	<u>[Signature]</u>	Date	<u>Aug. 2, 2007</u>

Attorney Docket No.: P24136

agree that said Assignee may apply for and receive a patent or patents for said inventions and 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 design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and 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 and 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 and improvements and for vesting title to said inventions and 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.

Full Name of First/Sole Inventor **Frank Wang**
Inventor's Signature _____ Date _____

Full Name of Second/Joint Inventor **Darren Crews**
Inventor's Signature _____ Date _____


Full Name of Third/Joint Inventor **Lee Xu**
Inventor's Signature _____ Date _____

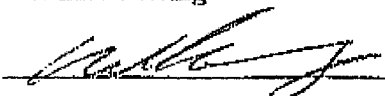
Full Name of Fourth/Joint Inventor **Graham Flower**
Inventor's Signature Graham Flower Date 8/2/07

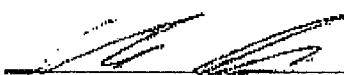
Full Name of Fifth/Joint Inventor **Miaobin Gao**
Inventor's Signature _____ Date _____

Full Name of Sixth/Joint Inventor **Chien-Chang Liu**
Inventor's Signature _____ Date _____

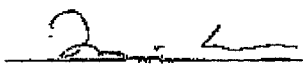
Full Name of Seventh/Joint Inventor **Jesse Chin**
Inventor's Signature  Date 8/1/07


Full Name of Eighth/Sole Inventor **Brian Kim**
Inventor's Signature  Date 8/1/07


Full Name of Ninth/Joint Inventor **William Wang**
Inventor's Signature  Date 8/1/07

Full Name of Tenth/Joint Inventor **Guobia Liu**
Inventor's Signature  Date 8/1/07

Full Name of Eleventh/Joint Inventor **Xiaojie Xu**
Inventor's Signature _____ Date _____

Full Name of Twelfth/Joint Inventor **Thiri Lwin**
Inventor's Signature  Date 8/1/07

Full Name of Thirteenth/Joint Inventor **Yousheng Wu**
Inventor's Signature  Date 8/1/07

Full Name of Fourteenth/Joint Inventor **Simon Lee 2**
Inventor's Signature  Date 8/1/07

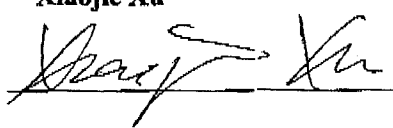
Attorney Docket No.: P24136

Full Name of Seventh/Joint Inventor **Jesse Chin**
 Inventor's Signature _____ Date _____

Full Name of Eight/Sole Inventor **Brian Kim**
 Inventor's Signature _____ Date _____

Full Name of Ninth/Joint Inventor **William Wang**
 Inventor's Signature _____ Date _____

Full Name of Tenth/Joint Inventor **Guobin Liu**
 Inventor's Signature _____ Date _____

Full Name of Eleventh/Joint Inventor **Xiaojie Xu**
 Inventor's Signature  Date 8/2/2007

Full Name of Twelfth/Joint Inventor **Thiri Lwin**
 Inventor's Signature _____ Date _____

Full Name of Thirteenth/Joint Inventor **Yousheng Wu**
 Inventor's Signature _____ Date _____

Full Name of Fourteenth/Joint Inventor **Simon Lee 2**
 Inventor's Signature _____ Date _____