

01-16-2001

U.S. Department of Commerce  
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PATENT

9/735453

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Attorney Docket No: 042390.P9783

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Execution Date  
Month Day Year

Name (1st party) Mario J. Paniccia

12-08-00

Name (2nd party) Dean A. Samara-Rubio

12-08-00

Name (3rd party) Ansheng Liu

12-08-00

Name (4th party) \_\_\_\_\_

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) Intel Corporation

Name (line 2) \_\_\_\_\_

Address (line 1) 2200 Mission College Blvd.

Address (line 2) \_\_\_\_\_

Address (line 3) Santa Clara

California/USA

95052

City

State/Country

Zip Code

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PATENT

REEL: 011417 FRAME: 0513

PATENT

Correspondent Name and Address

Area Code and Telephone Number 425-827-8600

Name James Y. Go

Address (line 1) BLAKELY SOKOLOFF TAYLOR & ZAFMAN, LLP

Address (line 2) 12400 Wilshire Blvd.

Address (line 3) 7th Floor

Address (line 4) Los Angeles, California 90025

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Patent Application Number (s)

Patent Number (s)

\_\_\_\_\_  
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If this document is being filed together with a **new** Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year  
12-08-00

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Enter PCT application number only if a  
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James Y. Go

40,621



12-12-00

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PATENT

REEL: 011417 FRAME: 0514

No.: 042390.P9783

(For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, We,  
the undersigned, Mario J. Paniccia, Dean A. Samara-Rubio and Ansheng Liu,  
hereby sell, assign, and transfer to Intel Corporation  
a corporation of Delaware, having a principal place of business at  
2200 Mission College Blvd., Santa Clara, CA 95052, ("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 improvements that are disclosed in  
the application for the United States patent that has been executed by the undersigned prior  
hereto or concurrently herewith on the dates indicated below and is entitled METHOD AND  
APPARATUS FOR SWITCHING AN OPTICAL BEAM BY MODULATING THE PHASE OF A  
PORTION OF THE OPTICAL BEAM IN A SEMICONDUCTOR SUBSTRATE,  
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.

Each Inventor: Please  
also list the date that  
you signed the  
accompanying  
**DECLARATION AND  
POWER OF  
ATTORNEY:**

Each Inventor: Please Sign and Date Below:

12/8, 2000  
Date

Name: Mario J. Paniccia

12/8, 2000  
Date

Name: Dean A. Samara-Rubio

12/8, 2000  
Date

Name: Ansheng Liu

\_\_\_\_\_, 20\_\_\_\_  
Date

Name:

\_\_\_\_\_, 20\_\_\_\_  
Date

Name:

\_\_\_\_\_, 20\_\_\_\_  
Date

Name:

12/8, 2000  
Date

12/8, 2000  
Date

12/8, 2000  
Date

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_, 20\_\_\_\_  
Date

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Assignment Document Return Address:  
SS. BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, CA 90025-1026  
(425) 827-8600

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, \_\_\_\_\_,  
the undersigned Notary Public, personally appeared \_\_\_\_\_  
☐ personally known to me ☐ proved to me on the basis of satisfactory evidence to be the  
person(s) whose name(s) \_\_\_\_\_ subscribed to the within instrument, and acknowledged  
that \_\_\_\_\_ executed it.  
WITNESS my hand and official seal.

\_\_\_\_\_  
Notary's Signature