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PATENTS ONLY

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Yingfan Zhang **2-20-03**
Additional name(s) of conveying party(ies) attached?
 No Yes

2. Name and address of receiving party(ies):
Name: INTEL CORPORATION
Internal Address: _____

3. Nature of Conveyance
 Assignment Merger
 Security Agreement Change of Name
 Other:
Execution Date(s): 1/9/03

Street Address: 2200 Mission College Blvd.
City: Santa Clara State/Province: CA Zip: 95052
Country: U.S.A.
Additional name(s) & address(es) attached? Yes No

4. Application Number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: _____
A. Patent Application No.(s)
10/274,170

B. Patent No.(s)
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Glen B. Choi
Name: Blakely, Sokoloff, Taylor & Zafman LLP
Internal Address: _____
Street Address: 12400 Wilshire Boulevard, 7th Floor
City: Los Angeles State: California Zip: 90025

6. Total number of applications and patents involved: 1
7. Total Fee (37 CFR 3.41).....\$40.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit Account Number:
02-2666
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.
To the best of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document

John Patrick Ward Reg.No.40,216 [Signature] 2/12/03
Name of Person Signing Signature Date
Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:
Assistant Commissioner of Patents, Box Assignments
Washington, D.C. 20231

02/25/2003 ECUOPER 00000616 10274170
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ASSIGNMENT

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

Yingfan Zhang

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 95052-8119 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest in and to any and all inventions and improvements that are disclosed in the aforesaid application for the United States patent filed on October 17, 2002, and assigned Application No. 10/274,170 and is entitled:


TECHNIQUES TO MANUFACTURE OPTICAL SIGNAL TRANSMITTERS

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, 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 said United States application;

I 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 utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; cooperate with said Assignee, its successors, assigns, and legal representatives in 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 all other 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, other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

1/9/2003 
Date Name: **Yingfan Zhang**

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Date Name:

Assignment Document Return Address:
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