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Atty Ref/Docket No.: 80107.011US1
To the Honorable Commissioner of Patents and Trademarks



102443016

and original documents or copy thereof.

1. Name of conveying party(ies):
Tanay Karnik and Jianping Xu

2. Name and address of receiving party(ies):

Name: Intel Corporation

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

Street Address: 2200 Mission College Blvd.

3. Nature of conveyance:

4-30-03

City: Santa Clara State: CA Zip: 95052

[X] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other

Additional name(s) & address(es) attached? [] Yes [X] No

Execution Date: April 29, 2003, April 29, 2003

4. Application number(s) or patent number(s):

10426396

If this document is being filed together with a new application, the execution date of the application is: April 29, 2003; April 29, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and patents involved: 1

Name: Dana LeMoine

7. Total fee (37 CFR 3.41): \$ 40.00

Address: LeMoine Patent Services
c/o PortfolioIP
P.O. Box 52050
Minneapolis, MN 55402

[X] Enclosed
[] Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our Deposit account number: _.

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Dana LeMoine /Reg. No. 40,062
Name of Person Signing

Dana B. LeMoine
Signature

April 30 2003
Date

Total number of pages including cover sheet: 4

Mail documents to be recorded with required cover sheet information to:

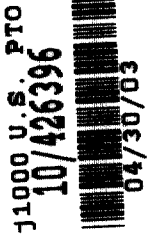
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05/07/2003 ECDOPER 00000154 10426396

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PATENT
REEL: 014034 FRAME: 0014



ASSIGNMENT

WHEREAS, We, Tanay Karnik, residing at 3574 NW Blackcomb Dr., Portland, OR 97229 and Jianping Xu, residing at 1529 NW Slocum Way, Portland, OR 97229, made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States on even date herewith, which is entitled OPTICAL INTERCONNECTS IN INTEGRATED CIRCUITS;

AND WHEREAS, Intel Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2200 Mission College Blvd., Santa Clara, CA 95052 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

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

IN TESTIMONY WHEREOF, I have hereunto set my hand this 29 day of
April, 2003.



Tanay Karnik

IN TESTIMONY WHEREOF, I have hereunto set my hand this 29 day of
Apr., 2003.



Jianping Xu