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(Rev. 10/02)  
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U.S. DEPARTMENT OF COMMERCE  
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219.42295X00

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

1. Name of conveying party(ies):

WONG, KENG L.  
TAYLOR, GREG  
LIM, CHEE HOW

4-30-03

2. Name and address of receiving party(ies)

Name: INTEL CORPORATION

Internal

Address: 2200 Mission College Boulevard, SC4-202

Street Address:

City: Santa Clara State: CA Zip: 95052

30715 U.S. PTO  
10/425914  
04/30/03

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

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other \_\_\_\_\_

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

Execution Date: 4/28/03

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: April 28, 2003.

A. Patent Application No.(s)

B. Patent Registration No.(s)

10425914

Additional number(s) attached  Yes  No

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

Name: Antonelli, Terry, Stout & Kraus, LLP

Internal Address:

1300 North Seventeenth Street  
Suite 1800  
Arlington, VA 22209  
USA

City: State: Zip:

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:

01-2135

(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 belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David C. Oren, Reg# 38,694

04/30/2003

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:  
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PATENT  
REEL: 014024 FRAME: 0487

**ASSIGNMENT**  
(For Execution With Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, Keng L. WONG, Greg TAYLOR and Chee How LIM, the undersigned, residing at Portland, OR, Portland, OR and Hillsboro, OR, respectively, hereby sell, assign, and transfer to INTEL CORPORATION, a corporation of Delaware having a principal place of business at 2200 Mission College Boulevard, SC4-202 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 executed concurrently herewith and entitled PHASE LOCKED LOOP SYSTEM CAPABLE OF DESKEWING, 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.

Date: 4/28, 2003

[Signature]  
Name: Keng L. WONG

Date: 4/28, 2003

[Signature]  
Name: Greg TAYLOR

Date: 4/28, 2003

[Signature]  
Name: Chee How LIM

Date: \_\_\_\_\_, 200\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_, 200\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_, 200\_\_

Name: \_\_\_\_\_

State of: \_\_\_\_\_ }  
County of: \_\_\_\_\_ } SS.

On this \_\_\_\_\_ day of \_\_\_\_\_ 200\_\_, 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.

[SEAL]

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

Assignment Return Address:  
ANTONELLI, TERRY, STOUT & KRAUS, LLP  
1300 North Seventeenth Street, Suite 1800  
Arlington, VA 22209  
Telephone: 703-312-6600