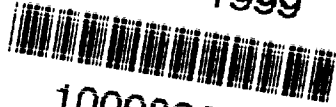


MAP 3/3/99

03-09-1999



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copy thereof.

To the Honorable Commissioner of Patents and Trademarks. Please record...

1. Name of conveying party(ies):
Dan A. Teibel
Bradford H. Needham
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party:
Name: **Intel Corporation**
Internal Address: _____

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: **February 17, 1999**

Street Address: **2200 Mission College Blvd.**
City **Santa Clara** State **CA** ZIP **95052**
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)
09/216,648

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

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **Blakely, Sokoloff, Taylor & Zafman, LLP**
Internal Address: _____
Street Address: **12400 Wilshire Blvd.**
Seventh Floor
City: **Los Angeles** State: **CA** ZIP: **90025**
03/08/1999 DNGUYEN 00000190 09216648

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 belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.
Aloysius T. C. AuYeung, Reg. No. 35,432 _____ **2/26/99**
Name of Person Signing Signature Date
Total number of pages comprising cover sheet, attachments, and documents **3**

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

ASSIGNMENT

(For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, We _____,

the undersigned, Dan A. Teibel, Bradford H. Needham _____,

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 _____, ("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 was filed December 18, 1998 and assigned Application No. 09/216648 and is entitled

METHOD AND APPARATUS FOR A BULLETIN BOARD SYSTEM

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: February 17, 1999 [Signature]

Name: Dan A. Teibel

Date: February 17, 1999 [Signature]

Name: Bradford H. Needham

Date: _____, 19____

Name: _____

State of: Oregon }

County of: Washington }

Assignment Document Return Address:

SS. BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, California 90025-1026
(503) 684-6200

On this 17th day of February, 1999, before me, Sandra Giepel
the undersigned Notary Public, personally appeared Dan Teibel and
Brad Needham

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.

Sandra J. Giepel
Notary's Signature

