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

1. Name of conveying party(ies):
Robert D. Cavin
Alan E. Waltho
Additional name(s) of conveying party(ies) attached?
 No Yes

01/30/02

2. Name and address of receiving party(ies):
Name: Intel orporation
Internal Address:

3. Nature of Conveyance
 Assignment Merger
 Security Agreement Change of Name
 Other:
Execution Date(s): January 24, 2002

Street Address: 2200 Mission Clooege Blvd.
City: Santa Clara State/Provence: CA
Zip: 95054.
Country: USA
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)
10/062844

January 30, 2002
B. Patent No.(s)
Additional numbers attached? Yes No

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

David N. Tran (Reg No. P-50,804)
Name of Person Signing Signature Date
1/30/02

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
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Atty Docket No. 42390.P13473

02/12/2002 LMUELLER 00000204 10062841

01 FC:581

40.00 DP

No.: 42390P13473 (For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, We,
 the undersigned, Robert D. Cavin and Alan E. Waltho

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, California 95054, ("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 _____

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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 Sign and Date Below:

Jan 24, 20 02 Robert D. Cavin
 Date Name: Robert D. Cavin

Jan 28, 20 02 Alan E. Waltho
 Date Name: Alan E. Waltho

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

Jan 28, 20 02
 Date

Jan 28, 20 02
 Date

State of: _____ }
 County of: _____ }

Assignment Document Return Address:
 SS. BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
 12400 Wilshire Blvd., Seventh Floor
 Los Angeles, CA 90025-1026
 (408) 720-8300

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