

PATENTS ONLY

10.....1.02295915

Patents and Trademarks:

Please record the attached original

document or copy thereof.

11.22.03

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|---------------------|--|--|
| | 1. Name of party or parties conveying an interest: | 2. Name and address of party or parties receiving an interest: |
| | microst. | receiving an interest. |
| | Jean-Francois C. COLLARD | Name: Intel Corporation |
| | | 2200 Mission College Boulevard |
| | | Santa Clara, California 95052 |
| | 3. Description of the interest conveyed: | Other: |
| | X Assignment | |
| | Merger | <u>n</u> |
| | Change of Name | Total |
| | Security Agreement | THANCE 25 |
| | | नि जि |
| | Execution Date: September 23, 2002 | β |
| | | SECTION SECTION |
| | 4. Application number(s) or patent number(s). | If the document is being filed together with a |
| | Additional sheet attached? | new application, the execution date of the |
| | YES NO_X | application is: |
| | A. Patent Application no.(s): 10/253,772 | B. Patent no.(s): |
| | 5. Name and address of party to whom | 6. Number of applications and/or patents |
| | correspondence concerning this cover sheet | identified on this cover sheet: 1 |
| | should be mailed: | |
| | Name: James A. Flight Reg. No. 37622 | 7. Amount of fee enclosed or authorized to be |
| | GROSSMAN & FLIGHT | charged: \$40.00 |
| | Street Address: 20 North Wacker Drive | |
| | Suite 4220 | 8. Any additional required fee may be charged, |
| | City: Chicago | or any overpayment credited to our deposit |
| | State: Illinois | account: 50-2455 |
| | Zip: 60606 | |
| | 9. To the best of my knowledge and belief, t and correct and any copy submitted is a true copy | he information contained on this cover sheet is true |
| | and correct and any copy submitted is a true copy | of the original document. |
| | Date: November 18, 2002 | Jan G. Flylet |
| | | James A. Flight |
| | | Registration No. 37,622 |
| | Total number of pages including cover sh | eet, attachments, and document:3_ |
| 11/26/2002 L | MUELLER 00000282 10253772 | |
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PATENT REEL: 013519 FRAME: 0087

ASSIGNMENT

Serial No:

10/253.772

Filed:

September 24, 2002

Title:

METHODS AND APPARATUS TO AVOID

DYNAMIC MICRO-ARCHITECTURAL PENALTIES

IN AN IN-ORDER PROCESSOR

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign to Intel Corporation, a Delaware corporation, 2200 Mission College Blvd., Santa Clara, California 95052, (hereinafter "assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, executed by the undersigned on September 2302, and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agree upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the

PATENT REEL: 013519 FRAME: 0088 preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

 $\frac{09/23/2902}{\text{Date}}$

RECORDED: 11/25/2002

Jean-Francois C. COLLARD 444 Saratoga Avenue, Apt. #41L Santa Clara, California 95050

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PATENT REEL: 013519 FRAME: 0089