

06-16-2003

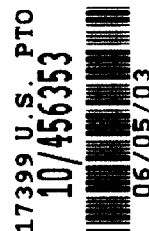


102474259

PATENT APPLICATION  
Attorney's Do. No. 5038-267  
Intel Ref. No. P16234

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450



Please record the attached original document or copy thereof and return the recorded instrument to the undersigned.

1. Name of parties conveying an interest: *6.5.03*
- (1) Pete D. Vogt
  - (2) Dennis W. Brzezinski
  - (3) Warren R. Morrow
2. Name and address of party receiving an interest: Intel Corporation  
2200 Mission College Boulevard  
Santa Clara, CA 95052-8119

3. Description of the interest conveyed:

☒ Assignment ☐ Change of Name ☐ Security Agreement ☐ Merger

Date of execution of attached document:

- (1) May 30, 2003
- (2) May 23, 2003
- (3) May 30, 2003

4. Application number(s) or patent number(s). Additional sheet attached? Yes \_\_\_ No XX

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

06/10/2003 RHARIS1 00000003 10456353

04 FC:8021

40.00 OP

- (1) May 30, 2003
- (2) May 23, 2003
- (3) June 2, 2003

A. Patent Application No.

B. Patent No.

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

Joseph S. Makuch  
MARGER JOHNSON & McCOLLOM, P.C.  
1030 S.W. Morrison Street  
Portland, OR 97205  
Telephone: (503) 222-3613

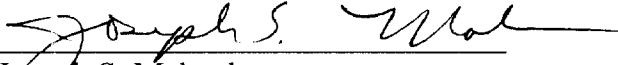
6. Number of applications and patents involved: 1
7. PTO Form 2038 authorizing credit card payment (\$40) is enclosed.
8. Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.

9. 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.

Dated: June 5, 2003

Respectfully submitted,

MARGER JOHNSON & McCOLLOM, P.C.

  
\_\_\_\_\_  
Joseph S. Makuch  
Reg. No. 39,286

MARGER JOHNSON & McCOLLOM, P.C.  
1030 SW Morrison Street  
Portland, OR 97205  
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Total number of pages comprising  
cover sheet and attached assignment: 8

**ASSIGNMENT**

**Assignor:** Pete D. Vogt  
**Address:** 1919 14<sup>th</sup> Street, Suite 605  
Boulder, CO 80303

**Assignor:** Dennis W. Brzezinski  
**Address:** 2200 Mission College Boulevard  
Santa Clara, CA 95052-8119

**Assignor:** Warren R. Morrow  
**Address:** 2800 Center Drive  
DuPont, WA 98327

**Assignee:** Intel Corporation (a Delaware corporation)  
**Address:** 2200 Mission College Blvd.  
P.O. Box 58119  
Santa Clara, CA 95052-8119

**Title of Invention:** MEMORY CHANNEL WITH BIT LANE-FAIL OVER

U.S. Patent Application:

Application Serial No.:

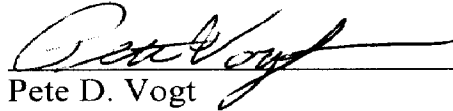
Filing Date:

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to Assignee, the full and exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Assignee, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and covenant that Assignor has full right so to do, and agree that Assignor will communicate to Assignee, or its successors and assigns, any facts known to Assignor respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignor hereby grants permission to the attorneys of record

in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at Boulder, Colorado this 30 day of May, 2003.

  
\_\_\_\_\_  
Pete D. Vogt  
Assignor

Executed at Santa Clara, California this \_\_\_\_\_ day of May, 2003.

\_\_\_\_\_  
Dennis W. Brzezinski  
Assignor

Executed at DuPont, Washington this \_\_\_\_\_ day of May, 2003.

\_\_\_\_\_  
Warren R. Morrow  
Assignor

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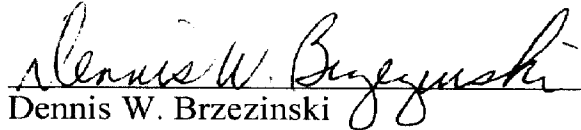
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\_\_\_\_\_  
Pete D. Vogt  
Assignor

Executed at Santa Clara, California this 23 day of May, 2003.

  
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Dennis W. Brzezinski  
Assignor

Executed at DuPont, Washington this \_\_\_\_\_ day of May, 2003.

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\_\_\_\_\_  
Dennis W. Brzezinski  
Assignor

Executed at DuPont, Washington this 30 day of May, 2003.

  
\_\_\_\_\_  
Warren R. Morrow  
Assignor