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To the Assistant Commission  
document or copy thereof.

1. Submission Type:

New

2. Conveyance Type:

Assignment

3. Conveying Parties:

- (1) Kilmer, Charles Arthur
- (2) Singh, Shanker

4. Execution Date

- 10302000
- 11092000

9/7/16913

5. Receiving Party:

International Business Machines Corporation  
New Orchard Road  
Armonk, New York 10504

6. Application Number/Patent Number:

Patent Application Number: \_\_\_\_  
Patent Number: \_\_\_\_  
**New Application: execution date of application  
by first-named inventor: 10302000**

7. Correspondent Name and Address:

Andrew J. Dillon, Esq.  
Felsman, Bradley, Vaden,  
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8. Number of Properties: One (1)

Fee Amount (37 CFR 3.41) \$40.00

Authorized to be charged to  
IBM Corporation Deposit Account  
No. 09-0466

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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. Charges to deposit account are authorized, as indicated herein.

Mary Ann Healey  
Name of Person Signing

Mary Ann Healey  
For: FELSMAN, BRADLEY, VADEN,  
GUNTER & DILLON, LLP

20 Nov 2000  
Date

MAIL ROOM  
11/20/00

## A S S I G N M E N T

Whereas, we,

- (1) Charles Arthur Kilmer of Essex Junction  
County of \_\_\_\_\_ and State of Vermont,
- (2) Shanker Singh of Morgan Hill  
County of \_\_\_\_\_ and State of California,

have invented certain improvements in

**A HIGH PERFORMANCE FAULT TOLERANT MEMORY SYSTEM**  
**UTILIZING GREATER THAN FOUR-BIT DATA**  
**WORD MEMORY ARRAYS**

and executed, respectively, a United States patent application therefor on (Date Inventors Signed Declaration) (1) Oct 30, 2000, and (2) Nov, 9, 2000.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

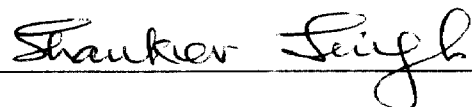
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

- (1) Signed at Essex Jct. Vt. on October 30, 2000.



Charles Arthur Kilmer

- (2) Signed at SAN JOSE on Nov 9, 2000.



Shanker Singh