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U.S. Department of Commerce

RE

101216951

PATENTS ONLY

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

1. Name of conveying party(ies): a) <u>Chin-Long Chen</u> g) _____ b) <u>Mu-Yue Hsiao</u> h) _____ c) <u>Patrick J. Meaney</u> i) _____ d) <u>William Wu Shen</u> j) _____ e) _____ k) _____ f) _____ l) _____ More names attached? <u>Y</u> <u>X</u> N		2. Name and address of receiving party(ies): Name: INTERNATIONAL BUSINESS MACHINES CORPORATION Address: New Orchard Road Armonk, NY 10504 More names attached? <u>Y</u> <u>X</u> N	
3. Nature of Conveyance: <u>X</u> Assignment			
4. Application number: _____ Filed: _____ Filed with new application: <u>X</u> yes <u>  </u> no Execution date(s): a) <u>November 16, 1999</u> g) _____ b) <u>November 10, 1999</u> h) _____ c) <u>November 19, 1999</u> i) _____ d) <u>November 19, 1999</u> j) _____ e) _____ k) _____ f) _____ l) _____ Additional numbers attached? <u>Y</u> <u>X</u> N			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Marc A. Ehrlich IBM Corporation - MS P386 Intellectual Property Law 522 South Road, Poughkeepsie NY 12601-5400		6. Total # of applications and patents involved: <u>01</u> 7. Total fee (37 CFR 3.41): \$ <u>40.00</u> . 8. Charge to Deposit Account 09-0463.	
DO NOT USE THIS SPACE			
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.  <div style="display: flex; justify-content: space-between;"> <div> <u>Sandra L. Kilmer</u>            Signature         </div> <div> <u>Sandra L. Kilmer</u>            Signature         </div> <div> <u>November 30, 1999</u>            Date         </div> </div>			
Total number of pages including cover sheet, attachments, and document: <u>2</u>			
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PATENT  
REEL: 010416 FRAME: 0646

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

Whereas, we

- |                       |                       |
|-----------------------|-----------------------|
| (1) Chin-Long Chen    | of Fishkill           |
| County of Dutchess    | and State of New York |
| (2) Mu-Yue Hsiao      | of Poughkeepsie       |
| County of Dutchess    | and State of New York |
| (3) Patrick J. Meaney | of Poughkeepsie       |
| County of Dutchess    | and State of New York |
| (4) William Wu Shen   | of Poughkeepsie       |
| County of Dutchess    | and State of New York |

have invented certain improvements in

## GENERATING SPECIAL UNCORRECTABLE ERROR CODES FOR FAILURE ISOLATION


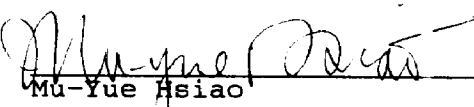

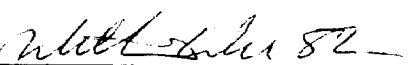
and executed a United States Patent Application therefor on

- (1) November 16, 1999, (2) November 10, 1999 (3) November 19, 1999,  
and (4) November 19, 1999.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, 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 the 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 Patents granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

## Signed

- |     |                         |  |
|-----|-------------------------|--|
| (1) | at Poughkeepsie, NY     |  |
|     | on <u>Nov 16, 1999</u>  | Chin-Long Chen   |
| (2) | at Beijing, China       |  |
|     | on <u>Nov 10, 1999</u>  | Mu-Yue Hsiao   |
| (3) | at Poughkeepsie, NY     |  |
|     | on <u>Nov. 19, 1999</u> | Patrick J. Meaney  |
| (4) | at Poughkeepsie, NY     |  |
|     | on <u>Nov 18, 1999</u>  | William Wu Shen  |