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

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U.S. PTO  
09/040671  
03/18/98

1. Name of conveying party(ies): <u>ued</u> <u>3-18-98</u> a) <u>Casper Anthony Scalzi</u> g) _____ b) <u>Eric Mark Schwarz</u> h) _____ c) <u>William John Starke</u> i) _____ d) <u>James Robert Urquhart</u> j) _____ e) <u>Douglas Wayne Westcott</u> k) _____ f) _____ l) _____	2. Name and address of receiving party(ies): Name: INTERNATIONAL BUSINESS MACHINES CORPORATION Address: Old Orchard Road Armonk, NY 10504
More names attached? <u>  </u> Y <u>  </u> X N	More names attached? <u>  </u> Y <u>  </u> X N

3. Nature of Conveyance:    X    Assignment

4. Application number: \_\_\_\_\_ Filed: \_\_\_\_\_  
 Filed with new application:    X    yes    no

Execution date(s):    09/040,671

a) March 17, 1998 g) \_\_\_\_\_  
 b) February 26, 1998 h) \_\_\_\_\_  
 c) March 9, 1998 i) \_\_\_\_\_  
 d) February 24, 1998 j) \_\_\_\_\_  
 e) March 17, 1998 k) \_\_\_\_\_  
 f) \_\_\_\_\_ l) \_\_\_\_\_

Additional numbers attached?    Y    X 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>  </u> 01 7. Total fee (37 CFR 3.41): \$ <u>  </u> 40.00 8. Charge to Deposit Account 09-0463. A duplicate copy is enclosed.
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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.

Sandra L. Kilmer

Signature

3/18/98  
Date

Total number of pages including cover sheet, attachments, and document:    3

Express Mail Label No. (if applicable): EE120682717US Docket No.: P0997157

PATENT

REEL: 9055 FRAME: 0496

A S S I G N M E N T

Whereas, we

- (1) CASPER ANTHONY SCALZI of Poughkeepsie,  
County of Dutchess and State of New York
- (2) ERIC MARK SCHWARZ of Gardiner  
County of Ulster and State of New York
- (3) WILLIAM JOHN STARKE of Austin  
County of Williamson and State of Texas
- (4) JAMES ROBERT URQUHART of Fishkill  
County of Dutchess and State of New York  
and
- (5) DOUGLAS WAYNE WESTCOTT of Rhinebeck  
County of Dutchess and State of New York

have invented Certain improvements in: **"Preprocessing of Stored Target Routines for Controlling Emulation of Incompatible Instructions on a Target Processor, including Efficient Selection Among Multiple Target Routines per Incompatible Operation Code, and Utilizing Target Processor Feedback for Controlling Non-Sequential Incompatible Instruction Emulation"**

and executed a United States Patent Application therefor on

(1) *March 17*, 1998, (2) *February 26*, 1998, (3) *March 9*, 1998  
(4) *February 24*, 1998, (5) *March 17*, 1998

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 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 Cammissioner 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.

A S S I G N M E N T

Signed:

- (1) at Poughkeepsie, NY Casper Anthony Scalzi  
on *March 17*, 1998 CASPER ANTHONY SCALZI
- (2) at Poughkeepsie, NY Eric Mark Schwarz  
on *February 26*, 1998 ERIC MARK SCHWARZ
- (3) at Austin, Texas William John Starke  
on *March 9*, 1998 WILLIAM JOHN STARKE
- (4) at Poughkeepsie, NY James Robert Urquhart  
on *February 24*, 1998 JAMES ROBERT URQUHART
- (5) at Poughkeepsie, NY and Douglas Wayne Westcott  
on *March 17*, 1998 DOUGLAS WAYNE WESTCOTT

Docket Number: **PO997157**

Inventor: **C. A. Scalzi et al**

**Title: "Preprocessing of Stored Target Routines for Controlling Emulation of Incompatible Instructions on a Target Processor, including Efficient Selection Among Multiple Target Routines per Incompatible Operation Code, and Utilizing Target Processor Feedback for Controlling Non-Sequential Incompatible Instruction Emulation"**