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To the Assistant Commissioner for patents: Please record the attached original documents or copy thereof.

08/827549

1. Name of conveying party(ies):

Sriram Mandyan
 Brian Walter O'Krafka
 Ramanathan Raghavan
 Robert James Ramirez
 Miwako Tokugawa

2. Name and address of receiving party(ies):

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

3. Nature of conveyance:

☒ Assignment

Execution Date: March 21, 1997

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the
 execution date of the application is March 21, 1997

A. Patent Application No.(s)

B. Patent No.(s)

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

Mr. Voel Emilc
 IBM Corporation
 Intellectual Property Law
 Internal Zip 4054
 11400 Burnet Road
 Austin, TX 78758
 (512) 823-1005

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$ 40.00☒ Authorized to be charged to deposit account

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09-0447

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IBM DOCKET NO. AT9-97-182

A S S I G N M E N T

Whereas, I,

- (1) Sriram Mandyam of Austin,
County of Travis and State of Texas,
- (2) Brian Walter O'Krafka of Austin,
County of Travis and State of Texas,
- (3) Ramanathan Raghavan of Round Rock,
County of Williamson and State of Texas,
- (4) Robert James Ramirez of New Braunfels,
County of Comal and State of Texas,
- (5) Miwako Tokugawa of Austin,
County of Travis and State of Texas,

have invented certain improvements in

"A Hardware Verification Tool for Multiprocessors"

and executed, respectively, a United States patent application therefor on
(Dates Inventors Signed Declaration) (1) 3/21, 1997; (2) 3/21, 1997;
(3) 3/21, 1997; (4) 3/21, 1997; and (5) 3/21, 1997.

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 Austin on Mar 21, 1997.

Sriram Mandyam
Sriram Mandyam

- (2) Signed at Austin on 3/21, 1997.

Brian Walter O'Krafka
Brian Walter O'Krafka

IBM DOCKET NO. AT9-97-182(3) Signed at Austin on 3/21, 1997.

Ramanathan Raghavan
Ramanathan Raghavan

(4) Signed at AUSTIN on 3/21, 1997.

Robert James Ramirez
Robert James Ramirez

(5) Signed at Austin on 3/21, 1997.

Miwako Tokugawa
Miwako Tokugawa