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10651 U.S. PTO
09/514607
02/28/00

Docket-ST9-99-024

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

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3. Nature of conveyance:
 Assignment

Execution Date: (1) February 18, 2000, (2) February 18, 2000, (3) February 23, 2000, (4) February 18, 2000

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: February 18, 2000

A. Patent Application No.(s) <u>09/514607</u>	B. Patent No.(s) Additional numbers attached? <input checked="" type="checkbox"/> No
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5. Name and address of party to whom correspondence concerning document should be mailed: Name: George H. Gates Address: GATES & COOPER 6701 Center Drive West, Suite 1050 Los Angeles, California 90045	6. Total number of applications and patents involved: One 7. Total fee (37 CFR 3.41): \$40 <input checked="" type="checkbox"/> Authorized to be charged to Deposit Account No. 09-0460 of the I.B.M. Corporation, assignee of the present application. 8. Please charge any additional fees or credit any overpayments to Deposit Account No. 09-0460. ~
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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.

George H. Gates Name of Person Signing	 Signature	February 28, 2000 Date
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04/05/2000 TT011 0000261 090460 09514607
01 FC:581 40.00 CH

Whereas, we

INVENTOR
AND CITY

(1) Steven K. Elliot of Sunnyvale,
County of Santa Clara and State of California,
and (2) Saileshwar Krishnamurthy of San Jose,
County of Santa Clara and State of California,
and (3) Bruce Gilbert Lindsay of San Jose,
County of Santa Clara and State of California,
and (4) Rajendra Bhagwatisingh Panwar of San Jose,
County of Santa Clara and State of California,

have invented certain improvements in

TITLE SIGNATURE HASH FOR CHECKING VERSIONS OF ABSTRACT DATA TYPES

and executed, respectively, a United States patent application therefor on

DATES THAT
INVENTORS
SIGNED THE
DECLARATION

(1) 18 Feb, 2000, (2) 18 Feb, 2000, (3) 23 Feb, 2000,
(4) 2/18, 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 inventions 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.

Signed

CITY DATE	(1) at <u>San Jose</u> on <u>18 Feb</u> , 2000,	<u>Steven Elliot</u> Steven K. Elliot	SIGNATURE INVENTOR
CITY DATE	and (2) at <u>San Jose</u> on <u>18 Feb</u> , 2000,	<u>Saileshwar Krishnamurthy</u> Saileshwar Krishnamurthy	SIGNATURE INVENTOR
CITY DATE	and (3) at <u>San Jose</u> on <u>23 Feb</u> , 2000,	<u>Bruce Gilbert Lindsay</u> Bruce Gilbert Lindsay	SIGNATURE INVENTOR
CITY DATE	and (4) at <u>San Jose</u> on <u>02/18/</u> , 2000,	<u>Rajendra B. Panwar</u> Rajendra Bhagwatisingh Panwar	SIGNATURE INVENTOR