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ment of Commerce

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): David Grant Beal Name: International Business Machines Corporation Street Address: New Orchard Road City: Armonk State: NY ZIP: 10504 Additional name(s) of conveying Additional name(s) & address(es) attached? __Yes XX No party(ies) attached __Yes XX No 3. Nature of conveyance: XX Assignment Execution Date: March 27, 2002 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 27, 2002 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? __Yes XX No 6. Total Number of applications and patents Name and address of party to whom involved: One correspondence concerning document should be mailed: Lewis L. Nunnelley 7. Total fee (37 CFR 3.41)....\$40.00 IBM Corporation Name: Enclosed Internal Authorized to be charged to Address: Intellectual Property Law deposit account Street Address: 5600 Cottle Road (L2PA/0142) San Jose, CA 95193 09-0466 8. Deposit Account Number: 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. Lewis L. Nunnelley Total number of pages including cover sheet, attachments, and document:

04/11/2002 GTON11 00000111 090466 10114677 40.00 CH 01 FC:581

> **PATENT** REEL: 12771 FRAME: 0943

Whereas, we

INVENTOR AND CITY

David Grant Beal County of Pima

of Tucson, and State of Arizona

have invented certain improvements in

TITLE

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DATES THAT INVENTORS SIGNED THE and executed, respectively, a United States patent application therefor on

(1) 5-27-2002

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 and sealed

RECORDED: 04/01/2002

CITY DATE

wil Grent Beal

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