EXPRESS MAIL NO. <u>EL420322941US</u>	IBM/121/234
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	Yease record the attached original document(s) or copy(ies) thereof.
Name of conveying party(ies): Cary Lee Bates Additional name(s) of conveying party(ies) attached?Yes XX No Nature of conveyance:	3. Name and address of receiving party(ies): Name: International Business Machines Corporation Internal Address: Street Address: New Orchard Road City: Armonk
XX Assignment Merger Security Agreement Change of Name Other Execution Date: February 17, 2000	State: New York Zip Code: 10504 Country: U.S.A. Additional name(s) of conveying party(ies) attached?Yes XX No
A. Patent Application No(s).	ion, the execution date of the application is: February 17, 2000. B. Patent No(s) ittached?YesXX_No 6. Total number of applications and patents
Name: Scott A. Stinebruner, Esq. Internal Address: Wood, Herron & Evans, L.L.P. 2700 Carew Tower Street Address: 441 Vine Street City: Cincinnati State: Ohio Zip: 45202	involved: 1 7. Total fee (37 CFR 33.41): \$40.00 XX Enclosed XX Authorized to be charged to deposit account if deficiencies occur 8. Deposit Account number: 23-3000 (Attach duplicate copy of this page is paying by deposit account)
0/2000 JSHABAZZ 00000167 09507418	(Attach duplicate copy of this page is paying by deposit account)
2:581 40.00 0P DO NOT US	SE THIS SPACE
9. Statement and Signature. To the best of my knowledge and belief, the foreg copy is a true copy of the original document. Scott A. Stinebruner (R. No. 38,323) Nome of Person Signing	February 18, 2000 Signature Date er sheet, attachments, and document: _2 IBM Docket No. RO999-148
Commissioner of Patents ar	ith required cover sheet information to: nd Trademarks, Box Assignments ton, D.C. 20231

REEL: 010615 FRAME: 0473

ASSIGNMENT

WHEREAS, I, Cary Lee Bates, residing at 450 73rd Street NW, Rochester, Minnesota 55901, made certain new and useful inventions and improvements for which I executed an application for Letters Patent of the United States filed herewith which is entitled SERVICE ENTRY POINT FOR USE IN DEBUGGING MULTI-JOB COMPUTER PROGRAMS.

AND WHEREAS, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of New York, and having an office and place of business at New Orchard Road, Armonk, New York 10504 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, I do hereby agree that I and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore I covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

RECORDED: 02/18/2000

Date Carrie Bates

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