

04-26-2000

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U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

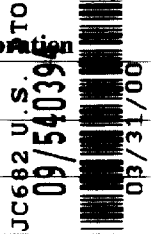
1. Name of conveying party(ies):

William Alan Holder
Damian Leo Osisek
Thomas Michael Vail

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

Name: International Business Machines Corporation

Internal Address:



Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Street Address: New Orchard Road

City: Armonk State: NY ZIP: 10504

Execution Date: 3/30/00

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or registration numbers(s):

09/540394 3-31-00

If this document is being filed together with a new application, the execution date of the application is: 3/30/00

A. Patent Application No.(s)

END9-2000-0013-US1

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Blanche E. Schiller, Esq.

Internal Address: HESLIN & ROTHENBERG, P.C.

Street Address: 5 Columbia Circle

City: Albany State: NY ZIP: 12203

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

- Enclosed - Any excess or insufficiency should be credited or debited to deposit account
- Authorized to be charged to deposit account

8. Deposit account number:

09-0457 (IBM)

04/26/2000 TTON11 00000159 090457 09540394

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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

Arthur J. Samodovitz, Reg. No. 31,297

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 2

PATENT

REEL: 010717 FRAME: 0690

A S S I G N M E N T

Whereas, we

- (1) William Alan Holder of Vestal
County of Broome and State of New York
- (2) Damian Leo Osisek of Vestal
County of Broome and State of New York
- And
- (3) Thomas Michael Vail of Endwell
County of Broome and State of New York

have invented certain improvements in

COMMUNICATING BETWEEN PROGRAMS HAVING DIFFERENT MACHINE CONTEXT ORGANIZATIONS

and executed a United States Patent Application therefor on

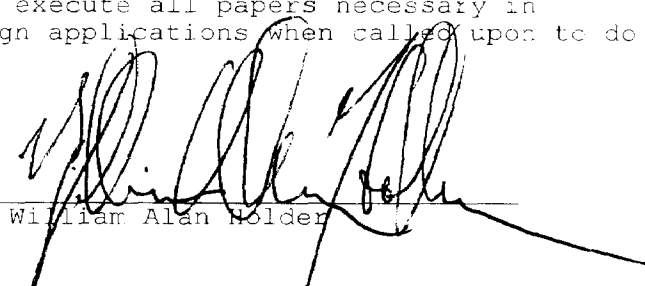
(1) 3/30/2000, (2) 3/30/2000 and (3) 3/30/2000.

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, I, 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 Commissioner 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.

Signed

(1) at Endicott, NY
City, State


William Alan Holder

on 3/30/2000

(2) at Endicott, NY
City, State


Damian Leo Osisek

on 3/30/2000

(3) at Endicott, NY
City, State


Thomas Michael Vail

on 3/30/2000