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07-29-2003

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Russell L. Lewis
07/15/03
Additional names(s) of conveying party(ies) Yes No

2. Name and address of receiving party(ies):
Name: **International Business Machines Corporation**
Address: **New Orchard Road**
City: **Armonk** State/Prov.: **NY**
Country: _____ ZIP: **10504**
Additional name(s) & address(es) Yes No

17354 U.S. PTO
10/619634
07/15/03

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: **July 11, 2003**

4. Application number(s) or patent numbers(s):
If this document is being filed together with a new application, the execution date of the application is: **July 11, 2003**
Patent Application No. _____ Filing date _____ B. Patent No.(s) _____
Additional numbers Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **Leopold Presser**
Registration No. **19,827**
Address: **400 Garden City Plaza**
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Country: **U.S.A.** ZIP: **11530**

6. Total number of applications and patents involved: **1**
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PATENT
REEL: 014311 FRAME: 0114

ASSIGNMENT

Whereas, I

INVENTOR
AND CITY

(1) Russell L. Lewis
County of Pima

of Tucson
and State of Arizona

have invented certain improvements in

TITLE: DEPTH COUNTER USED TO REDUCE NUMBER OF ITEMS TO CONSIDER FOR LOOP
DETECTION IN A REFERENCE-COUNTING GARBAGE COLLECTOR

DATE THAT
INVENTOR
SIGNED THE
DECLARATION

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

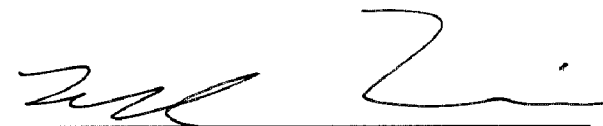
(1) 11 July, 2003

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 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 I 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 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.

CITY

(1) at Tucson



Russell L. Lewis

ON 11 July, 2003