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1. Name of conveying party(ies):  
**Joseph L. Hellerstein and Sheng Ma**

Additional name(s) of conveying party(ies) attached?  
 \_\_\_ Yes X No

2. Name and address of receiving party(ies)  
 Name: **International Business Machines Corporation**

Internal Address:

Street Address: **New Orchard Road**

City: **Armonk** State: **NY** ZIP: **10504**

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

3. Nature of conveyance:  
X Assignment \_\_\_ Merger  
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Execution Date: **February 6, 2001** *5-14-01*

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:

A. Patent Application No.(s) **09/739,432** B. Patent No.(s)

Additional numbers attached? \_\_\_ Yes X No

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Name: **William E. Lewis**  
 Internal Address: **Ryan, Mason & Lewis, LLP**  
 Street Address: **90 Forest Avenue**

City: **Locust Valley** State: **NY** ZIP: **11560**

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41)..... \$ 40.00  
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X Authorized to be charged to deposit account

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William E. Lewis *William E. Lewis* May 14, 2001  
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**ASSIGNMENT**

Whereas, we

Inventor  
and City

(1) **Joseph L. Hellerstein**  
County of Westchester

of Ossining  
and State of New York

and (4) **Sheng Ma**  
County of Westchester

of Ossining  
and State of New York

have invented certain improvements in

TITLE

**SYSTEMS AND METHODS FOR DISCOVERING PARTIALLY PERIODIC EVENT PATTERNS**

described in United States patent application Serial No. 09/739,432, filed on December 18, 2000 and executed on Feb 26, 2001

DATE THAT  
INVENTORS  
SIGNED THE  
DECLARATION

*nb s/1/01* — *Feb 6 Sim 5/7/01*  
(1) *May 5* 2001 and (2) *May 4*, 2001.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, 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;

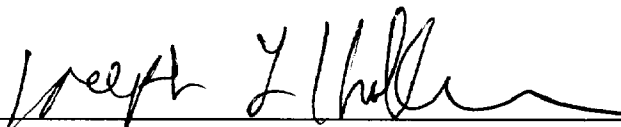
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign 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.

CITY  
DATE

Signed  
(1) at  
on May 1, 2001,

*Feb 6  
NY 5/19/01*



SIGNATURE

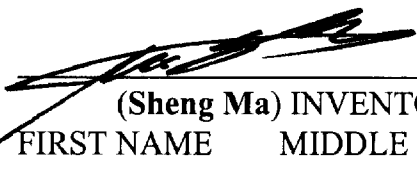
(Joseph L. Hellerstein) INVENTOR

FIRST NAME MIDDLE INITIAL LAST NAME

CITY  
DATE

Signed  
(2) at  
on May 04, 2001,

*Feb 6  
sim 5/7/01*



SIGNATURE

(Sheng Ma) INVENTOR

FIRST NAME MIDDLE INITIAL LAST NAME

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