

05-24-2000



101366062

To the Honorable Commissioner of Pat.  
or copy thereof.

and the attached original documents

*MAD*  
*S.2. a)*

*REC'D MAY*

1. Name of conveying party(ies) **OPR/FINANCE**

William J. Baer  
Robert C. Hartman, Jr.  
I-Ming Kao  
Janet L. Murray  
Jerry D. Robertson, III

Additional name(s) of conveying party(ies) attached  Yes  No

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

Name: **International Business  
Machines Corporation**

Street Address: **New Orchard Road**  
City: **Armonk** State: **NY** ZIP: **10504**

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

3. Nature of conveyance:

Assignment

Execution Date: *5/3/2000; 3/3/2000, 3/3/2000, 4/18/2000*  
*3/3/2000*

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)  
09/489,133

\* B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: **IBM Corporation**  
Internal **Ingrid M. Foerster**  
Address: **Intellectual Property Law**  
Street  
Address: **555 Bailey Avenue, J46/G475**  
**San Jose, CA 95141-1003**

\* 6. Total Number of applications and patents involved: **One**

\* 7. Total fee (37 CFR 3.41).....\$ **40.00**  
\*  Enclosed  
\*  Authorized to be charged to deposit account

\* 8. Deposit Account Number: **09-0460**

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.

*Ingrid M. Foerster*  
\_\_\_\_\_  
**Ingrid M. Foerster**

Date *4/28/00*

Total number of pages including cover sheet, attachments, and document: *134*

05/23/2000 DNGUYEN 00000201 090460 09489133  
01 FC:581 40.00 CH

ASSIGNMENT

Whereas, we

INVENTOR  
AND CITY

(1)	William J. Baer	of San Jose,
County of	Santa Clara	and State of California,
and (2)	Robert C. Hartman, Jr.	of San Jose
County of	Santa Clara	and State of California,
and (3)	I-Ming Kao	of San Jose
County of	Santa Clara County	and State of California,
and (4)	Janet L. Murray	of Los Gatos,
County of	Santa Clara County	and State of California,
and (5)	Jerry D. Robertson, III	of San Jose,
County of	Santa Clara	and State of California,

have invented certain improvements in

TITLE **A HIT MASK FOR QUERYING HIERARCHICALLY RELATED CONTENT ENTITIES**

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

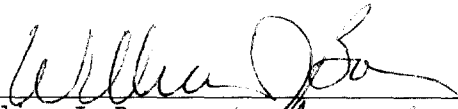
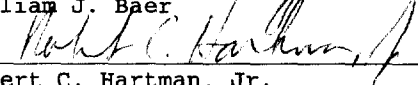
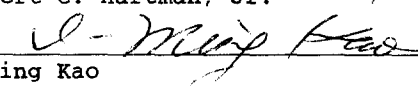
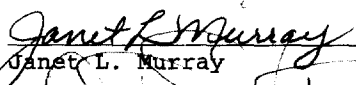
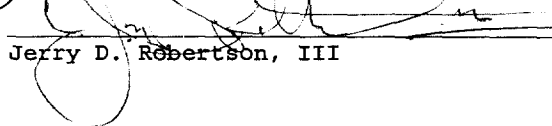
(1)	<u>March 3</u> , 2000,	(2)	<u>March 3</u> , 2000,	(3)	<u>March 3</u> , 2000,
(4)	<u>April 18</u> , 2000,	(5)	<u>3/3</u> , 2000.		

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 jointly own 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, our 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

CITY	(1) at <u>San Jose</u>
DATE	on <u>March 3</u> , 2000,
CITY	and (2) at <u>San Jose</u>
DATE	on <u>March 3</u> , 2000,
CITY	and (3) at <u>San Jose</u>
DATE	on <u>March 3</u> , 2000,
CITY	and (4) at <u>Los Gatos</u>
DATE	on <u>April 18</u> , 2000,
CITY	and (5) at <u>San Jose</u>
DATE	on <u>3/3</u> , 2000,

	SIGNATURE
William J. Baer	INVENTOR
	SIGNATURE
Robert C. Hartman, Jr.	INVENTOR
	SIGNATURE
I-Ming Kao	INVENTOR
	SIGNATURE
Janet L. Murray	INVENTOR
	SIGNATURE
Jerry D. Robertson, III	INVENTOR