

12-05-2001



DOCKET: GB9-2000-0091  
US Department of Commerce  
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101906703

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Henry Esmond Butterworth  
Robert Bruce Nicholson

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) of conveying  
party(ies) attached Yes XX No

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

3. Nature of conveyance:

XX Assignment Execution Date: April 25, 2001, April 2, 2001

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: April 25, 2001, April 2, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes XX No

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

Name: **IBM Corporation**  
Internal  
Address: **Intellectual Property Law**  
Street  
Address: **5600 Cottle Road (L2PA/0142)**  
**San Jose, CA 95193**

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

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

8. Deposit Account Number: **09-0466**

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.

Esther E. Klein  
Esther E. Klein

Nov 10, 2001  
Date

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

12/05/2001 ANNEX1 00000014 090466 09992284  
01 FC:581 40.00 CH

PATENT  
REEL: 012329 FRAME: 0368

**ASSIGNMENT**

Whereas, we,

	(1)	<b>Henry Esmond Butterworth</b>	of City of	<b>San Jose</b>
		County of	and State of	<b>California</b>
and	(2)	<b>Robert Bruce Nicholson</b>	of City of	<b>Southsea</b>
		County of <b>Hampshire</b>	and State of	<b>United Kingdom</b>

have invented certain improvements in

**METHOD FOR REBUILDING META-DATA IN A DATA  
STORAGE SYSTEM AND A DATA STORAGE SYSTEM**

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

(1) **April 25, 2001** and (2) **April 2, 2001** and (3)

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 invention 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

(1) *Henry Esmond Butterworth*  
**Henry Esmond Butterworth**

at *SAN JOSE* on *25th April 2001*  
 (Town where signed) (Date)

(2) *Robert Bruce Nicholson*  
**Robert Bruce Nicholson**

at *Winchester* on *2nd April 2001*  
 (Town where signed) (Date)