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In place of Form PTO-159



Docket No. AT9-99-671

EET

1.6.00

101261311

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Barry Stanley Barnett,  
Douglas Craig Bossen

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

International Business Machines Corporation  
New Orchard Road  
Armonk, New York 10504

3. Nature of conveyance:

X Assignment

Execution Date: December 6, 1999

jc678 U.S. PTO  
09/478306  
01/06/00

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 December 6, 1999

A. Patent Application No.(s)

B. Patent No.(s) 09478306

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

Mark E. McBurney  
IBM Corporation  
Intellectual Property Law  
Internal Zip 4054  
11400 Burnet Road  
Austin, TX 78758  
(512) 823-1003

6. Total number of applications and patents involved: 1

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

X Authorized to be charged to deposit account

8. Deposit account number:

09-0447

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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.

Mark E. McBurney  
Name of Person Signing

*Mark E. McBurney*  
Signature  
12/9/99  
Date

Total number of pages including cover sheet: 2

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**A S S I G N M E N T**

Whereas, we,

(1) Barry Stanley Barnett of Austin,  
County of Travis and State of Texas,

and  
(2) Douglas Craig Bossen of Austin,  
County of Travis and State of Texas,

have invented certain improvements in

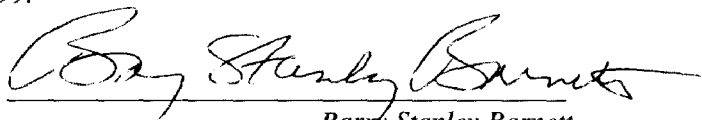
**METHOD AND SYSTEM FOR END-TO-END PROBLEM DETERMINATION AND FAULT ISOLATION FOR STORAGE AREA NETWORKS**

and executed, respectively, a United States patent application therefore on  
(Dates Inventors Signed Declaration) (1) December 6, 1999, and (2) December 6, 1999.

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 therefore;

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.

(1) Signed at Austin on December 6, 1999.

  
Barry Stanley Barnett

and (2) Signed at Austin on December 6, 1999.

  
Douglas Craig Bossen