

02-23-1999

In place of Form PTO-1595

PATENT
DOCKET NO: YO9-99-049

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PATENTS

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies): Richard H. BOIVIE Execution Date: 1-29-99

Richard H. BOIVIE

January 29, 1999

2. Name and address of receiving party:

INTERNATIONAL BUSINESS MACHINES CORPORATION

New Orchard Road

Armonk, New York 10504

Additional name(s) & address(es) attached?

Yes XX No3. Nature of conveyance: XX Assignment4. Application or patent number(s): 09/240,546If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. January 29, 1999

A. Patent Application No.(s):

B. Patent No.(s):

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

Michael J. Buchenhorner
GUNSTER, YOAKLEY, VALDES-FAULI & STEWART
500 East Broward Blvd., Suite 1400
Fort Lauderdale, Florida 333946. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00☐ Authorized to be charged to deposit account

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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.

Michael J. Buchenhorner
Name of Person SigningMichael J. Buchenhorner
SignatureJanuary 29, 1999
DateTotal number of pages including cover sheet, attachments and document: 2

Mail document(s) to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
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EXPRESS MAIL LABEL NO. EE682465265US

PATENT
DOCKET NO: Y09-99-049

ASSIGNMENT

Whereas, I,

(1) Richard H. BOIVIE
County of Fairfieldof Monroe,
and State of Connecticut

have invented certain improvements in

RELIABLE MULTICAST FOR SMALL GROUPS

and executed a United States patent application therefor on the following date(s):

(1) _____, and

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 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 acknowledge our prior existing obligation and hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of the United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on the 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:

LOCATION

(county executing document)

DATESIGNATURE

(1) _____

*January 27, 1999**Richard H. Boivie*
Richard H. BOIVIE

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** TOTAL PAGE 05 **

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RECORDED: 01/29/1999

PATENT
REEL: 9770 FRAME: 0974