

U.S. PATENT AND TRADEMARK OFFICE

Form PTO 1595

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

1. Name of conveying party(ies):

- a) Robert S. Blackmore g)
 b) Bin Jia h)
 c) Richard R. Treumann i)
 d) j)
 e) k)
 f) l)

More names attached? Y X N

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

Name: INTERNATIONAL BUSINESS
 MACHINES CORPORATION
 Address: New Orchard Road
 Armonk, NY 10504

More names attached? Y X N3. Nature of Conveyance: X Assignment

4. Application number: 10/962,721

Filed: October 12, 2004

Filed with new application: Y X N

Execution date(s):

- a) October 12, 2004 g)
 b) October 12, 2004 h)
 c) October 12, 2004 i)
 d) j)
 e) k)
 f) l)

Additional numbers attached? Y X N

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

Name: Blanche E. Schiller, Esq.
 Heslin Rothenberg Farley &
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6. Total # of applications and patents involved: 17. Total fee (37 CFR 3.41): \$40.008. Charge to Deposit Account:
09-0463 (IBM)

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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.

Blanche E. Schiller, Esq.
 Registration No.: 35,670

Blanche E. Schiller
 Signature

October 26, 2004
 Date

Total number of pages including cover sheet, attachments, and document: 3

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PATENT
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IBM Docket No.: POI920040060US1
Page 1 of 1

ASSIGNMENT

Whereas, we

- | | | |
|-----|---|--------------------------------------|
| (1) | Robert S. Blackmore
County of Dutchess | of Poughkeepsie
State of New York |
| (2) | Bin Jia
County of Dutchess | of Poughkeepsie
State of New York |
| and | | |
| (3) | Richard R. Treumann
County of Ulster | of Highland
State of New York |

have invented certain improvements in

FACILITATING INTRA-NODE DATA TRANSFER IN COLLECTIVE COMMUNICATIONS

and executed a United States Patent Application therefor on

(1) 10/12/2004, (2) 10/12/2004 and (3) 10/12/2004.

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 the 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 Patents 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 Patents 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) at Poughkeepsie
on 10/12/2004

Robert S. Blackmore
Robert S. Blackmore

(2) at Poughkeepsie, NY
on 10/12/2004

Bin Jia
Bin Jia

(3) at Poughkeepsie NY
on 10/12/2004

Richard R. Treumann
Richard R. Treumann