

06-27-2003



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

1. Name of conveying party(ies): (1) Jeffrey Douglas Brown (2) Michael Norman Day (3) Charles Ray Johns (4) James Allan Kahle Additional name(s) of conveying party(ies) attached? Yes No	Execution Date: <u>May 9, 2003</u> <u>May 13, 2003</u> <u>May 15, 2003</u> <u>June 16, 2003</u>
2. Name and address of receiving party(ies): International Business Machines Corporation New Orchard Road Armonk, New York 10504	3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other

 17613 U.S. PTO
 10/464882
 06/19/03

4. Application number(s) or patent number(s): 10 464 882

If this document is being filed together with a new application, the execution date of the application is

(1) 05-09-03 (2) 05-13-03 (3) 05-15-03 (4) 06-16-03

A. Patent Application No.(s) B. Patent No.(s)

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

 Robert M Carwell
 IBM Corporation
 Intellectual Property Law
 11400 Burnet Road
 Austin, TX 78758
 (512) 823-1017

6. Total number of applications and patents involved: 1

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

☐ Enclosed
☒ 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.

 Robert M Carwell
 Name of Person Signing

 Signature

 6/18/03
 Date

06/27/2003 GTOM11 00000061 090447 10464882

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Total number of pages including cover sheet: 15

 PATENT
 REEL: 014203 FRAME: 0757

ASSIGNMENT

Whereas, we,

(1) Jeffrey Douglas Brown of 2327 Hawthorn Hill Road N.E., Rochester, MN 55906
County of Olmsted and State of Minnesota

and

(2) Michael Norman Day of 2201 Mayfield Drive, Round Rock, TX 78681
County of Williamson and State of Texas

and

(3) Charles Ray Johns of 10703 Cassia Drive, Austin, TX 78759
County of Travis and State of Texas

and

(4) James Allan Kahle of 5402 Hurlock Drive, Austin, TX 78731
County of Travis and State of Texas

have invented certain improvement in

**A MICROPROCESSOR HAVING BANDWIDTH
MANAGEMENT FOR COMPUTING APPLICATIONS
AND RELATED METHOD OF MANAGING BANDWIDTH ALLOCATION**

and executed a United States patent application therefore on (1) May 9, 2003;
(2) _____, 2003; (3) _____, 2003; (4) _____, 2003.

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, I, 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 I 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 I hereby agree that IBM may apply for foreign Letters Patent on said invention and I 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 Rochester, MN on May 9, 2003.



Jeffrey Douglas Brown

(2) Signed at _____ on _____, 2003.

Michael Norman Day

(3) Signed at _____ on _____, 2003.

Charles Ray Johns

(4) Signed at _____ on _____, 2003.

James Allan Kahle

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(2) 5/13, 2003; (3) 5/15, 2003; (4) 5/16, 2003.

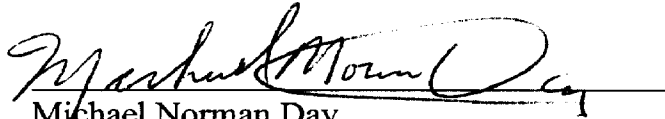
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, 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 I 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 I hereby agree that IBM may apply for foreign Letters Patent on said invention and I 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 _____ on _____, 2003.

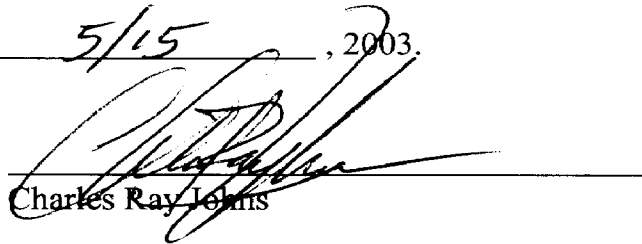
Jeffrey Douglas Brown

(2) Signed at Austin on 5/13, 2003.



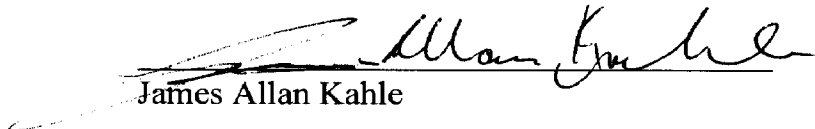
Michael Norman Day

(3) Signed at AUSTIN on 5/15, 2003.



Charles Ray Johns

(4) Signed at Austin on 6/16, 2003.



James Allan Kahle