

FORM PTO-1595 (Substitute)

**RECORDATION FORM COVER SHEET
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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies):
Rajesh Bordawekar, Sriram K. Padmanabhan, Oded Shmueli
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
Name: IBM Corporation
Address: _____
City: Armonk State: NY Zip: 10504
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: 10/12/2003, 3/17/2004, 12/7/2003

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: _____
A. Patent Application No(s). 10/703,250
B. Patent No(s). _____
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Stanley D. Ference III
FERENCE & ASSOCIATES
Address: 400 Broad Street
City: Pittsburgh State: PA Zip: 15143

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
 Charge any deficiency to deposit account
8. Deposit account number:
50-0510
(Attach duplicate copy of this page if paying by 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 and correct copy of the original document.
Stanley D. Ference III Stanley D. Ference III March 18, 2004
Name of Person Signing Signature Date
Total number of pages including cover sheet, attachments, and document: 8

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Mail Stop Assignments
P.O. Box 1450, Alexandria VA 22313-1450

CH \$40.00 500510 10703250

(JOINT FORM)

(IBM Docket) YOR920030491US1
(590.121)

Assignment

Whereas, we

INVENTOR
AND CITY

(1) Rajesh Bordawekar
County of Westchester

of Yorktown Heights,
and State of New York

INVENTOR
AND CITY

(2) Sriram K. Padmanabhan
County of Westchester

of Briarcliff Manor
and State of New York

INVENTOR
AND CITY

(3) Oded Shmueli

of Nofit,
and country of ISRAEL

have invented certain improvements in

TITLE

SINGLE PASS WORK LOAD DIRECTED CLUSTERING OF XML
DOCUMENTS

and have executed, respectively, a United States patent application therefor on even date herewith.

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 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 inventions set forth in said applications 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.

(JOINT FORM)

(IBM Docket) YOR920030491US1
(590.121)

Signed and sealed

CITY AND
DATE

(1) at Hawthorne
on 10/12/, 2003

PPBordawekar SIGNATURE
(Rajesh R. Bordawekar) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND
DATE

(2) at Hawthorne
on , 2003

SIGNATURE
(Sriram K. Padmanabhan) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND
DATE

(3) at
on , 2003

SIGNATURE
(Oded Shmueli) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

(JOINT FORM)

(IBM Docket) YOR920030491US1
(590.121)

Assignment

Whereas, we

- | | | |
|----------------------|--|---|
| INVENTOR
AND CITY | (1) Rajesh Bordawekar
County of Westchester | of Yorktown Heights,
and State of New York |
| INVENTOR
AND CITY | (2) Sriram K. Padmanabhan
County of Westchester | of Briarcliff Manor
and State of New York |
| INVENTOR
AND CITY | (3) Oded Shmueli | of Nofit,
and country of ISRAEL |

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TITLE SINGLE PASS WORK LOAD DIRECTED CLUSTERING OF XML DOCUMENTS

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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 inventions set forth in said applications 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.

(JOINT FORM)

(IBM Docket) YOR920030491US1
(590.121)

Signed and sealed


CITY AND
DATE

(1) at Hawthorne
on . 2003

(Rajesh Bordawekar) SIGNATURE INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND
DATE

(2) at ^{San Jose, CA} ~~Hawthorne~~
on March 17, 2004


(Sriram K. Padmanabhan) SIGNATURE INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND
DATE

(3) at
on . 2003

(Oded Shmueli) SIGNATURE INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

(JOINT FORM)

(IBM Docket) YOR920030491US1
(590.121)***Assignment***

Whereas, we

INVENTOR AND CITY	(1) Rajesh Bordawekar County of Westchester	of Yorktown Heights, and State of New York
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INVENTOR AND CITY	(2) Sriram K. Padmanabhan County of Westchester	of Briarcliff Manor and State of New York
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INVENTOR AND CITY	(3) Oded Shmueli <i>Zevulun Regional Council</i>	of Nofit, and country of ISRAEL
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have invented certain improvements in

TITLE	SINGLE PASS WORK LOAD DIRECTED CLUSTERING OF XML DOCUMENTS
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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 inventions set forth in said applications 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.

(JOINT FORM)

(IBM Docket) YOR920030491US1
(590,121)

Signed and sealed

CITY AND DATE (1) at Hawthorne on , 2003

SIGNATURE
(Rajesh Bordawekar) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND DATE (2) at Hawthorne on , 2003

SIGNATURE
(Sriram K. Padmanabhan) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND DATE (3) at *Mo fit* on *Dec. 7*, 2003

Oded Shmueli
SIGNATURE
(Oded Shmueli) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

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AND RELATED MATTERS

March 18, 2004

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Commissioner for Patents and Trademarks

P.O. Box 1450

Alexandria VA 22313-1450

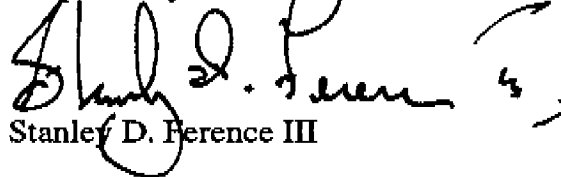
Re: *Patent Application Serial No. 10/703,250 for*
SINGLE PASS WORK LOAD DIRECTED CLUSTERING OF
XML DOCUMENTS

Sir:

Enclosed please find an Assignment (in three parts) accompanied by a completed Recordation Form Cover Sheet (Patents Only) in connection with the U.S. Patent Application identified above. Kindly record the assignment in the U.S. Patent and Trademark Office and return the original NOTICE OF RECORDATION OF ASSIGNMENT document to the undersigned.

Please charge **IBM Corporation Deposit Account No. 50-0510** the amount of \$40, to cover the recordation fee. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or credit **Deposit Account No. 50-0510** as required to correct the error.

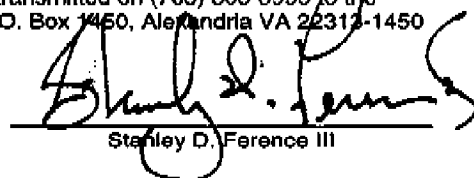
Respectfully submitted,


Stanley D. Ference III

Enclosures

CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence and any documents referred to as enclosed therewith are being facsimile transmitted on (703) 306-5995 to the Assistant Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450 on March 18, 2004.


Stanley D. Ference III

RECORDED: 03/18/2004

PATENT
REEL: 014444 FRAME: 0177