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Wei Fan, Haixun Wang and Philip S. Yu			Name: IBM Corporation			
Additional name(s) of conveying party(ies) attached? Yes No						
Nature of conveyance:			Address:			
			City: <u>Armonk</u> State:	NY	Zip: <u>10504</u>	
Execution Date: 12/8/04, 12/8/04, 12/8/04		Ad	lditional name(s) & addre	ss(es) atta	ıched? ☐ Yes ⊠ No	
4. Application number(s) or pate	tent 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).		В.	Patent No(s).			
11/035,889		I				
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Name and address of party to concerning document should	o whom correspondence be mailed:	6.	Total number of applica patents involved:	itions and	1	
Marie Otenlay D. Forena		7.	Total fee (37 CFR 3.41)) :	\$ <u>40.00</u>	
Name: <u>Stanley D. Ference</u> FERENCE & ASSO			☐ Enclosed☑ Authorized to be ch☑ Charge any deficie	narged to d ncy to dep	leposit account osit account	
Address: 400 Broad Street		8.	Deposit account number			
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9. Statement and signature						
To the best of my knowledge and correct copy of the origin Stanley D. Ference III	41 11 31	irma	inon is true and correct a			
Name of Person Signir		ignat	ture		March 15, 2005 Date	
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PATENT

REEL: 015903 FRAME: 0670

(JOINT FORM)

(IBM Docket) YOR920040517US1 (590.150)

Assignment

Whereas, we

INVENTOR

(1) Wei Fan

AND CITY

County of New York

INVENTOR

(2) Haixun Wang

AND CITY

County of Westchester

INVENTOR

(3) Philip S. Yu

AND CITY

County of Westchester

of New York,

and State of New York

of Irvington,

and State of New York

of Chappaqua,

and State of New York

have invented certain improvements in

TITLE

SYSTEM AND METHOD FOR SEQUENCING

XML DOCUMENTS FOR TREE STRUCTURE INDEXING

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.

PATENT REEL: 015903 FRAME: 0671 (JOINT FORM)

(IBM Docket) YOR920040517US1 (590.150)

Signed and sealed

CITY AND

(1) at Hawthorne on (2/3), 2004

In Wer

SIGNATURE INVENTOR

FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND

(2) at Hawthorne on 12/8, 2004

(Haixun

Wang

Fan)

SIGNATURE

INVENTO

FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND

(3) at Hawthorne on $1 \ge /$ 3 , 2004

things

ilip S.

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SIGNATURE

TNVENTOR

FIRST NAME MIDDLE INITIAL LAST NAME

RECORDED: 03/15/2005

Page 2 of 2

PATENT REEL: 015903 FRAME: 0672