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

<p>1. Name of conveying party(ies):</p> <p>(1) Volker BOETTIGER</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: International Business Machines Corporation</p> <p>Street Address: New Orchard Road</p> <p>City: Armonk State: NY Zip: 10504</p> <p>Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment Execution dates: (1) November 16, 2004</p>	
<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is:</p> <p>A. Patent Application No.(s) B. Patent No.(s)</p> <p>11/003,898 filed on December 2, 2004</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Sawyer Law Group LLP</p> <p>Address: P.O. Box 51418</p> <p>Palo Alto, CA 94303</p>	<p>6. Total number of applications and patents involved: One</p> <p>7. Total fee (37 CFR 3.41)..... \$ 40.00</p> <p><input type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 09-0460 (IBM Corporation)</p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
<p>9. Statement and signature.</p> <p><i>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.</i></p> <p>Joseph A. Sawyer, Jr. May 5, 2005</p> <p>_____ Name of Person Signing Signature _____ Date</p>	

CH \$40.00 090460 11003898

Docket No: DE920030025US1
3377P

ASSIGNMENT

Whereas, I,

(1) **Volker BOETTIGER** City of Muenchen
Country of Germany

have Invented certain improvements in

TITLE **INDEX FOR DATA RETRIEVAL AND DATA STRUCTURING**

and executed a United States Patent Application therefor on the following date(s):

(1) November 16, 2004

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, 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 application 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.

Signed and sealed:

	<u>LOCATION</u>	<u>DATE</u>	<u>SIGNATURE</u>
(1)	<u>Muenchen</u>	<u>Nov 16, 2004</u>	<u>Volker Boettiger</u> Volker BOETTIGER