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- (71) Applicant (for all designated States except US): NEXQL [US/US]; 12250 Inwood, Suite 6, Dallas, TX 75244 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): COX, Richard, D. [US/US]; 2029 Oak Bend Lane, Garland, TX 75040 (US). KURTZ, Brian, L. [US/US]; 11903 Coit Road #404, Dallas, tX 75251 (US). ROSS, Jay, B. [US/US]; 287 South Main Street, Unit #11, Lambertville, NY 08530 (US).
- (74) Agents: HOWISON, Gregory, M. et al.; HAWISON & ARNOTT, L.L.P., P.O. Box 741715, Dallas, TX 75374-1715 (US).

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Declaration under Rule 4.17:

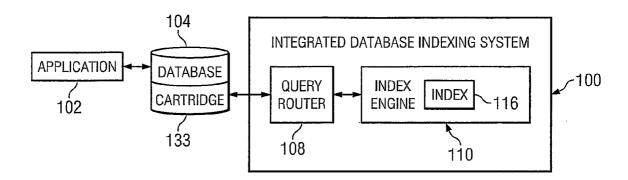
— of inventorship (Rule 4.17(iv))

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(54) Title: INTEGRATED DATABASE INDEXING SYSTEM



(57) Abstract: An integrated database indexing system (100) includes a database (104) containing data and a query source (102) communicably connected to the database A query router (108) connected to the query source communicates with an index engine (110) The index engine accesses an index (110) associated with the data in said database When query source communicates a command to the query router, the query router communicates the command to the index engine such that the index engine identifies result data in the data contained by the database.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/21420

A. CLASSIFICATION OF SUBJECT MATTER IPC: G06F 17/30(2006.01)						
USPC: 707/101 According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) U.S.: 707/101						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DIALOG, IEEE XPlore						
C. DOC	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where a	ppropriate,	of the relevant passages	Relevant to claim No.		
х	US 6,073,134 (SHOUP et al) 6 June 2000, column 9 column 13 line 43 - column 14 line 56, column 34 lin		, column 10 lines 30-40,	1, 4-15, 17-30, 37-42, 44-46, 49-60, 62-75, 82-87, 89-90		
у	US 6,560,593 B1 (KOSCIUSZKO et al), 6 May 2000 63 - column 7 line 7, column 7 lines 47-64	3, column 5	5 lines 31-43, column 6 line	2-3, 16, 43, 47-48, 61, 88		
Further	documents are listed in the continuation of Box C.		See patent family annex.			
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance		"J"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention			
•	plication or patent published on or after the international filing date	"X"	document of particular relevance; the c considered novel or cannot be consider			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y"	considered to involve an inventive step when the document is			
"O" document	referring to an oral disclosure, use, exhibition or other means		combined with one or more other such being obvious to a person skilled in the			
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family				
Date of the actual completion of the international search		Date of n	nailing of the international searc	h report		
				טטע		
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US			Authorized officer			
Commissioner for Patents			Tim T Vo			
P.O. Box 1450 Alexandria, Virginia 22313-1450			Telephone No. (571)305-3900			
Facsimile No. (571) 273-3201						

Form PCT/ISA/210 (second sheet) (April 2007)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/21420

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This internatio	nal search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
1 —	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:			
	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows: Please See Continuation Sheet				
2.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:			
	payment of a protest fee. The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.			
	No protest accompanied the payment of additional search fees.			

Form PCT/ISA/210 (continuation of first sheet(2)) (April 2007)

	International application No.	
INTERNATIONAL SEARCH REPORT	PCT/US05/21420	
BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKIN	NG	
This application contains the following inventions or groups of inventions which are	not so linked as to form a single general inventive	
concept under PCT Rule 13.1. In order for all inventions to be examined, the approp	oriate additional examination fees must be paid.	
Group I, Claims 1-30, 37-75, and 82-90, drawn to a system to index a data	base wherein a change or revision is made to an index	
by an index engine through indexing commands, classified in class 707, subclass 10 Group II, Claims 31-36 and 76-81, drawn to a method to search an index in	l.	
results, classified in class 707, subclass 3.	in a database by all index engine and reduce search	
	L DOTT D L 12 LL DOTT D L	
The inventions listed as Groups I and II do not relate to a single general inventive con 13.2, they lack the same or corresponding special technical features for the following	g reasons: In the instant case, the combination as	
claimed does not require the particulars of the subcombination as claimed because re	evising an index through an index engine as outlined in	
Group I does not require searching an index and retrieving the search results as state such as searching for a specific index to identify indexes desired by a user, without a	d in Group II. The subcombination has separate utility	
Such as scarcining for a specific index to identify indexes desired by a user, without a	my need for a change of fevision.	
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