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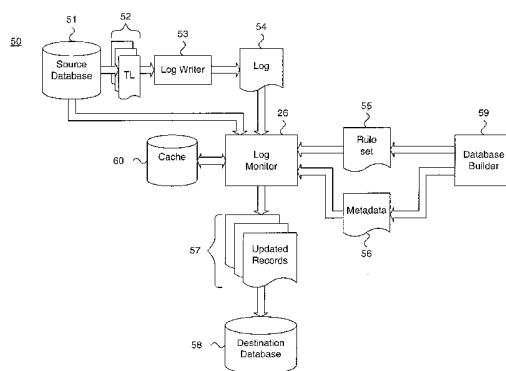
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(54) Title: SYSTEM AND METHOD FOR MAINTAINING LARGE-GRAINED DATABASE CONCURRENCY WITH A LOG MONITOR INCORPORATING DYNAMICALLY REDEFINABLE BUSINESS LOGIC



(57) Abstract: A system (10) and method (150) for maintaining large-grained database concurrency with a log monitor (26) incorporating dynamically redefinable business logic (94) are described. Operations expressed in a data manipulation language are executed against a source database (51). At least one operation constitutes a commit operation that completes each database transaction. A current rule set (55) is defined. Each rule includes business logic (94) specifying a data selection criteria for records stored in the source database (51). A log entry (70) is periodically generated in a log (54) for each transaction committed to the source database (51). Each log entry (70) identifies an affected record and includes transactional data. The transaction identified in each log entry (70) is evaluated against the data selection criteria specified in the current rule set (55). A new record (57) is built in accordance with metadata (56) describing a destination database (58). The new record (57) contains select transactional data from the log entry (70) of each transaction meeting the selection criteria. The new record (57) is stored into the destination database (58). The data stored in the destination database (58) includes at least a partial subset of the source database (51).



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G06F

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 practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HILL ET AL: "Data Transformation: Key to Information Sharing" GARTNER GROUP STRATEGIC ANALYSIS REPORT, 29 September 1998 (1998-09-29), pages 1-60, XP002223428 page 17, last paragraph -page 20, paragraph 3 page 30, paragraph 2 ---	1-28
X	ANONYMOUS: "ORACLE WAREHOUSE BUILDER: A TECHNICAL OVERVIEW" AN ORACLE TECHNICAL WHITE PAPER, ORACLE CORPORATION, 2000, pages 1-21, XP002249154 CA, USA the whole document --- -/--	1-28



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>CHAUDHURI S ET AL: "An Overview of Data Warehousing and OLAP Technology" SIGMOD RECORD, SIGMOD, NEW YORK, NY, US, vol. 26, no. 1, March 1997 (1997-03), pages 65-74, XP002193792 ISSN: 0163-5808 page 67, left-hand column, last paragraph -page 68, right-hand column, paragraph 1 -----</p>	1-28