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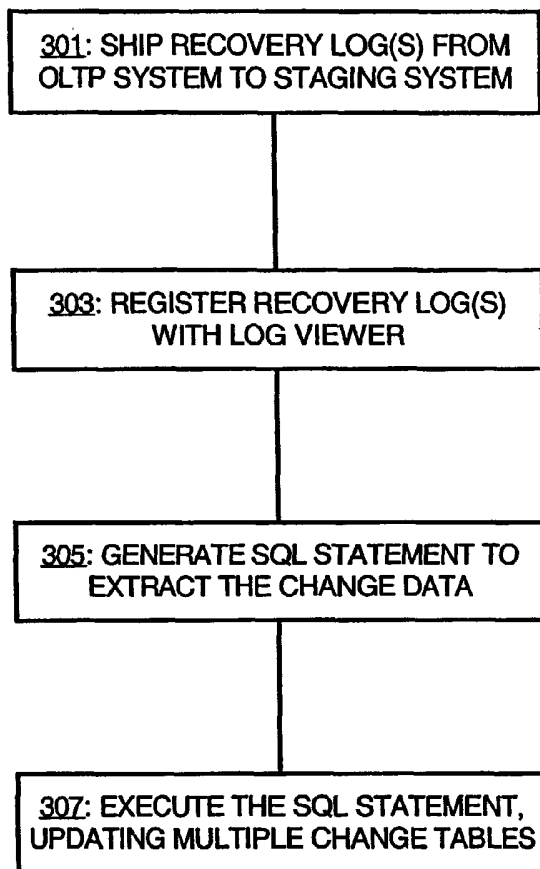
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[Continued on next page]

(54) Title: HIGH-PERFORMANCE CHANGE CAPTURE FOR DATA WAREHOUSING



(57) Abstract: A method and software for change data capture is described, in which change data is extracted from a recovery log in a single pass and stored into multiple database objects, such as change tables. The change data indicates modifications that has been performed to multiple source objects that correspond to the multiple database objects. In a preferred embodiment, this can be accomplished with a single multi-table insert SQL statement.

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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	<p>WHITE, DANIEL: "Oracle9i, ETL from the Database Out for Free" INTERNET ARTICLE, 'Online! January 2002 (2002-01), pages 1-13, XP002265014 USA Retrieved from the Internet: <URL:http://www.innovative-consult.com/tech_solution/pdf/Oracle%209i%20ETL%20from%20the%20DB%20for%20free%20-%20White.pdf> 'retrieved on 2003-12-12! page 5, paragraph 3 -page 6, last paragraph</p> <p style="text-align: center;">---</p> <p style="text-align: center;">-/--</p>	1-8

Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents:

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Date of the actual completion of the international search	Date of mailing of the international search report
15 December 2003	05/01/2004

Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer <p style="text-align: center;">Jaedicke, M</p>
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INTERNATIONAL SEARCH REPORT

International Application No
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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.
A	<p>ANONYMOUS: "ORACLE WAREHOUSE BUILDER: A TECHNICAL OVERVIEW" ORACLE TECHNICAL WHITE PAPER, 2000, pages 1-21, XP002249154 page 16, last paragraph -page 17, last paragraph</p> <p style="text-align: center;">---</p>	1-8
A	<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 abstract page 67, right-hand column, paragraph 2 -page 68, right-hand column, paragraph 1</p> <p style="text-align: center;">---</p>	1-8
A	<p>BARCLAY T ET AL: "Loading Databases Using Dataflow Parallelism" SIGMOD RECORD, ASSOCIATION FOR COMPUTING MACHINERY, NEW YORK, US, vol. 23, no. 4, 31 December 1994 (1994-12-31), pages 72-83, XP002207697 abstract; figures 4,8</p> <p style="text-align: center;">---</p>	1-8
E	<p>US 2003/204540 A1 (RIELAU SERGE ET AL) 30 October 2003 (2003-10-30) page 1, left-hand column, paragraph 4 - paragraph 6</p> <p style="text-align: center;">-----</p>	1-8

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003204540 A1	30-10-2003	CA 2384174 A1	29-10-2003