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(12) **United States Patent**
Walters

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(54) **SEPARATION OF DATABASE
TRANSACTIONS**

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(57) **ABSTRACT**

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According to an embodiment of the invention, a database is
separated into at least a first partition and a second partition.
An instruction comprising access to the database is received.
An address is determined for the instruction, with a first
address being assigned if the access involves a read of data
in the database and a second address being assigned if the
access involves a write of data in the database. The instruc-
tion is executed on the first partition of the database if the
instruction involves a read of data and on the second
partition of the database if the instruction involves a write of
data.

(65) **Prior Publication Data**

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(51) **Int. Cl.**⁷ **G06F 17/30**

(52) **U.S. Cl.** **707/8; 707/10**

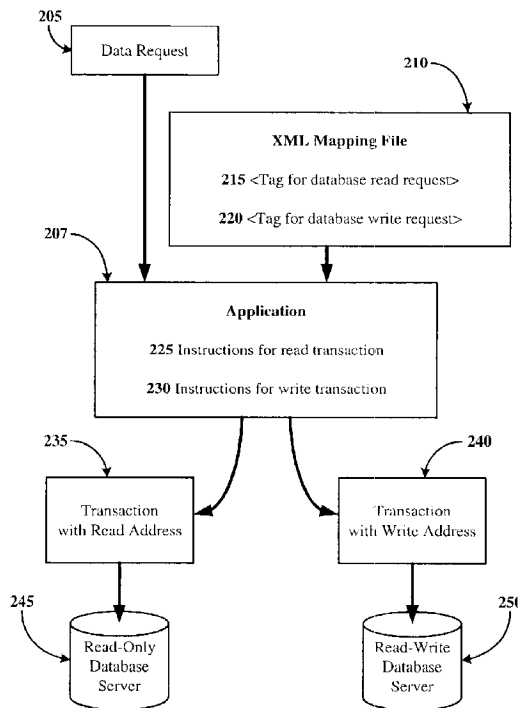
(58) **Field of Search** 707/8, 9, 10, 100,
707/104.1; 360/69; 463/29, 40, 43; 709/214;
710/302; 711/114, 129, 173; 713/191, 201,
400; 714/4; 719/319

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29 Claims, 8 Drawing Sheets



Embodiments of Database
Transaction Separation