US007539666B2

(12) **United States Patent**
Ashworth et al.

(10) **Patent No.: US 7,539,666 B2**
(45) **Date of Patent: May 26, 2009**

(54) **METHOD, SYSTEM AND PROGRAM FOR MANAGING GEOGRAPHIC DATA STORED IN A DATABASE**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 468 days.

(21) Appl. No.: **10/819,458**

(22) Filed: **Apr. 6, 2004**

(65) **Prior Publication Data**

US 2005/0223044 A1 Oct. 6, 2005

(51) **Int. Cl.**
G06F 7/00 (2006.01)
G06F 17/30 (2006.01)

(52) **U.S. Cl.** **707/3**; 707/2; 701/208

(58) **Field of Classification Search** 707/1–10, 707/102, 104, 200, 100; 701/208
See application file for complete search history.

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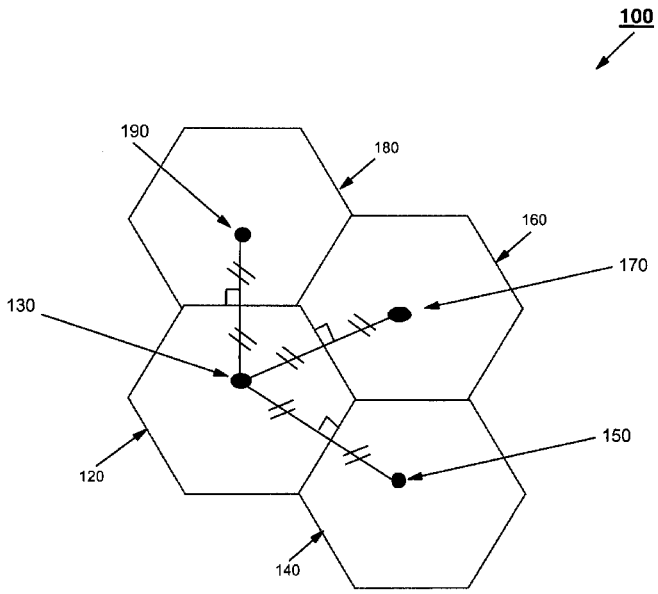
(57) **ABSTRACT**

A method, a data processing system and an article of manufacture for managing geographic identifiers stored in a database is described herein. The geographic identifiers each identify a respective geographic feature displayed on a surface map space partitioned by a mosaic of non-rectilinear shaped cells. The data processing system includes an accessing module for accessing a geographic look-up table and an index for the geographic look-up table, the geographic look-up table and the index being stored in the database, an identification module for identifying, from the index, stored row identifiers associated with a subset of the mosaic of non-rectilinear shaped cells, and a retrieving module for retrieving, from the geographic look-up table, stored geographic identifiers associated with the identified stored row identifiers.

27 Claims, 8 Drawing Sheets