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(54) **DISTRIBUTED OBJECT-ORIENTED GEOSPATIAL INFORMATION DISTRIBUTION SYSTEM AND METHOD THEREOF**

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(58) **Field of Classification Search** 709/217, 709/219, 245, 203; 707/10; 701/208
See application file for complete search history.

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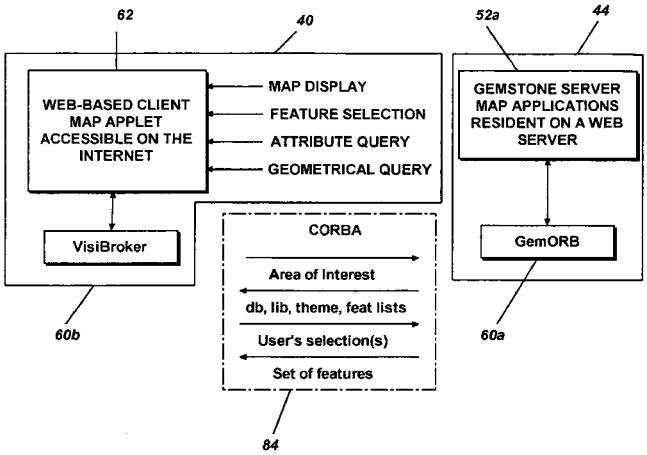
(57) **ABSTRACT**

A distributed object-oriented geospatial database system and method thereof over the Internet using Web-based technology to perform data-driven queries, such as retrieving, viewing and updating, geospatial data of the object oriented geospatial database, such as vector, raster, hypertext and multimedia data, including data types or formats of ESRI shape files, GSF, oceanographic ASCII text data by NAVOCEANO and geospatial data with temporal information and supporting 3D display of the geospatial data. The object-oriented geospatial database system is implemented in a heterogeneous object-oriented development and integration environment through the Common Object Request Broker Architecture (CORBA).

30 Claims, 22 Drawing Sheets