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[Continued on next page]

(54) Title: CREATING AND LINKING 3D SPATIAL OBJECTS WITH DYNAMIC DATA, AND VISUALIZING SAID OB-
JECTS IN GEOGRAPHIC INFORMATION SYSTEMS

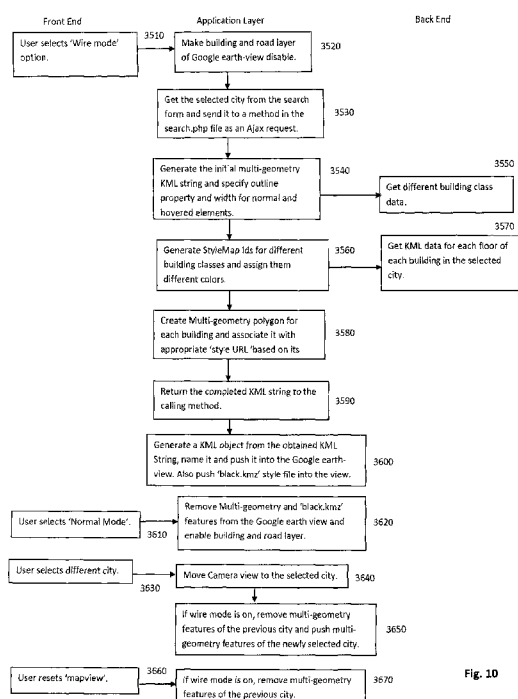


Fig. 10

(57) Abstract: A method and system of creating and linking 3D spatial objects with dynamic data, and visualizing said objects in geographic information systems (GIS) is disclosed. The system includes a front end for a user interface, a database at the back end, and an application layer which processes the data sent between interface and database. A method of generating and uploading Keyhole Markup Language (KML) rings is disclosed. Furthermore, a user specifies a search location, and is shown a view of the available space indicated on the buildings by KML code which is assembled from the database by the system. A method for creating, linking and displaying a three-dimensional spatial object is also disclosed, as well as a method of generating a visual flight between several geographical points, showing the KML structures during the flight. Lastly, a method of showing a cardinal view from a floor of a building in a GIS is disclosed.



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