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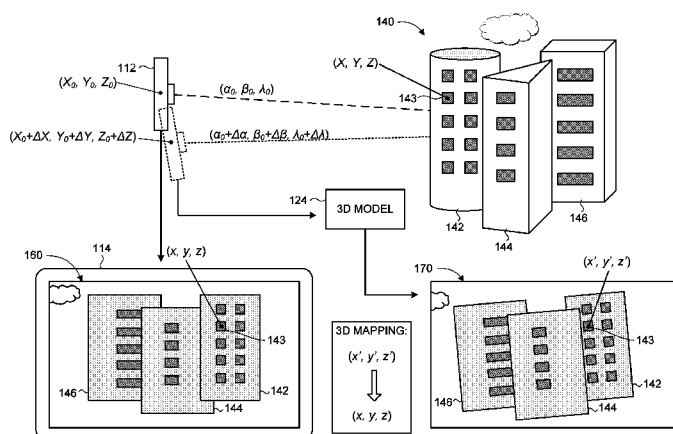


FIG. 2

(57) **Abstract:** Image georegistration method and system. An imaging sensor acquires a sensor-image of a scene. Imaging parameters of the acquired sensor-image are obtained, the imaging parameters including at least the detected 3D position and orientation of the imaging sensor when acquiring the sensor-image, as detected using a location measurement unit. A model-image of the scene is generated from a textured 3D geographic model, the model-image representing a texture-based 2D image of the scene as acquired in the 3D model using the imaging parameters. The sensor-image and the model-image are compared and the discrepancies between them determined. An updated 3D position and orientation of the imaging sensor is determined in accordance with the discrepancies. The updated position and orientation may be used to display supplementary content overlaid on the sensor-image in relation to a selected location on the sensor-image, or for determining the geographic location coordinates of a scene element.