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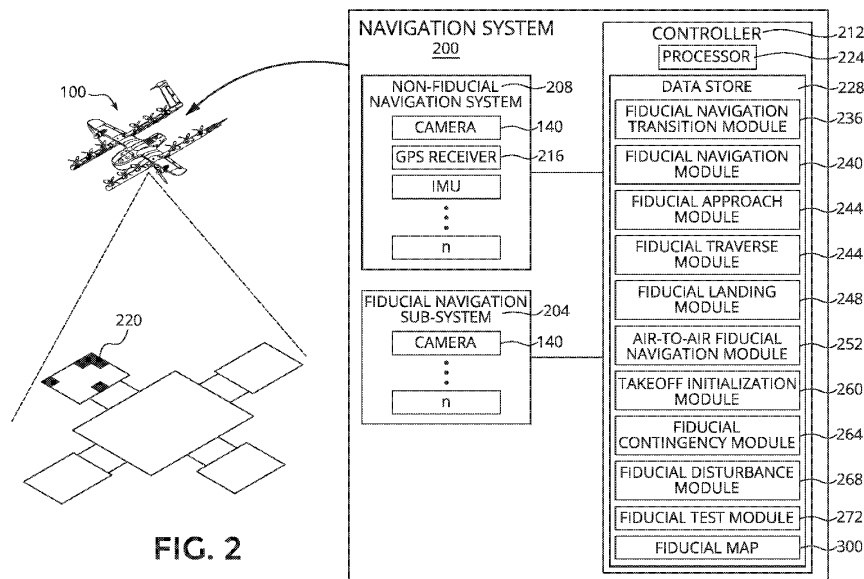
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(54) Title: GEO-FIDUCIALS FOR UAV NAVIGATION



(57) Abstract: Unmanned aerial vehicle (UAV) navigation systems include a UAV charging pad positioned at a storage facility, a plurality of fiducial markers positioned at the storage facility, and a UAV. Each fiducial marker is associated with a fiducial dataset storing a position of the fiducial marker, and each fiducial dataset is stored in a fiducial map. The UAV has a navigation system that includes a camera, a fiducial navigation sub-system, a non-fiducial navigation sub-system, and logic that when executed causes the UAV to image a first fiducial marker with the camera, to transition from a non-fiducial navigation mode to a fiducial navigation mode, to access from the fiducial map the fiducial dataset storing the position of the first fiducial marker, and to navigate based upon the fiducial dataset storing the position of the first fiducial marker, into alignment with and land on the UAV charging pad.

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