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(54) Title: END-TO-END UNMANNED CONTROL SYSTEM OF AIRCRAFT NAVIGATION AND SURVEILLANCE SYSTEMS

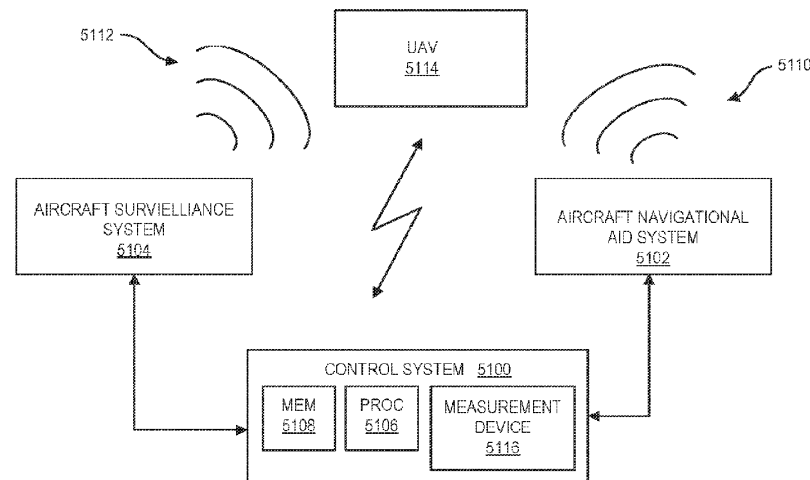


FIG. 51

(57) Abstract: A control system in communication with one of an aircraft navigational aid system and an aircraft surveillance system is described. The control system obtains measurement data associated with radio frequency (RF) signals transmitted by the one of the aircraft navigational aid system and the aircraft surveillance system from an unmanned aerial vehicle (UAV) reporting the measurement data. The control system also determines whether the measurement data indicates the RF signals are within a range of values based on a location of the UAV in an airspace proximate to the one of the aircraft navigational aid system and the aircraft surveillance system. The control system further controls the RF signals transmitted by the one of the aircraft navigational aid system and the aircraft surveillance system based on the measurement data and the location of the UAV. Methods performed by the control system are also described.

[Continued on next page]

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