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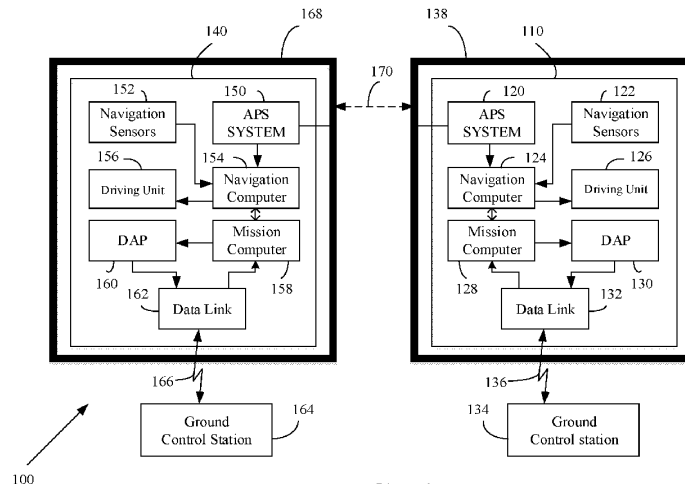


FIG. 1

(57) **Abstract:** The presently disclosed subject matter includes an active proximity system (APS) mountable on an unmanned autonomous vehicle (UxV), the APS comprising: one or more proximity sensors and a processing circuitry; the one or more proximity sensors are configured to sense one or more proximity signals, each of the signals is indicative of the presence of a respective emitter in proximity to the UxV; the processing circuitry is configured, responsive to a sensed proximity signal, to repeatedly: generate maneuvering instructions dedicated for causing the UxV to move and increase the distance between the UxV and the respective emitter, and then generate maneuvering instructions dedicated for causing the UxV to move and decrease the distance between the UxV and the respective emitter; and thereby maintain the UxV within a certain range from the respective emitter defined by the sensed proximity signal.

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