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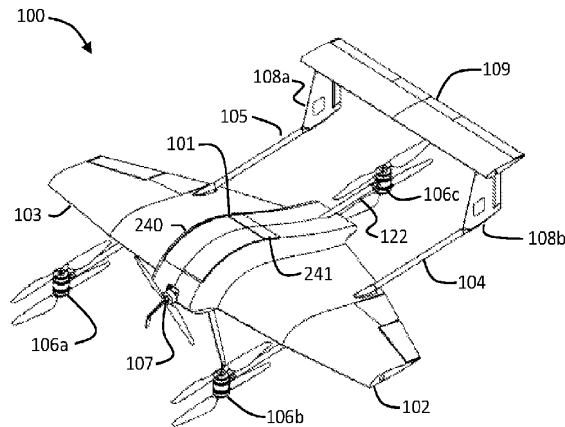


FIG. 1

(57) Abstract: A manned/unmanned aerial vehicle adapted for vertical takeoff and landing which is configured to be easily disassembled and reassembled. The aerial vehicle may be assembled with different wings based upon flight needs, which may be based upon cargo mass and flight duration, for example. The aerial vehicle may utilize structural booms within components, and may allow for decoupling of boom sections to facilitate disassembly. The aerial vehicle may utilize electric motors and store power in batteries. A method of customizing a configuration of an unmanned aerial vehicle based upon flight profile factors such as duration, stability, and maneuverability. A method of disassembling an aerial vehicle for storage and/or transport.

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