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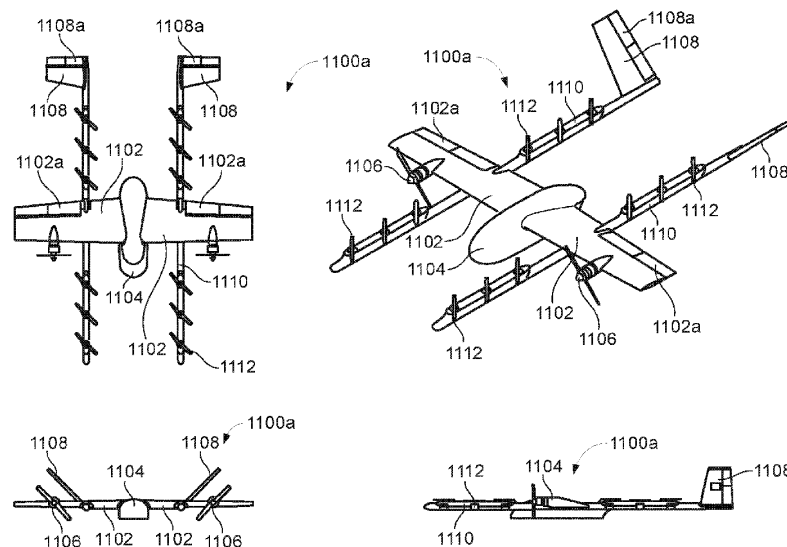


FIG. 1A

(57) Abstract: An example unmanned aerial vehicle includes a power source, a processor module having one or more processors, and a plurality of boom arms, each boom arm being couplable to a printed circuit board (PCB) and a plurality of propellers. In the example UAV, a PCB of each boom arm includes a power hub electrically couplable to the power source and to corresponding propellers of the boom arm, and a signal hub electrically couplable to at least one processor of the processor module and to the corresponding propellers. Further, in the example UAV, the power hub of each PCB is configured to transfer power from the power source to the corresponding propellers, and wherein the signal hub of each PCB is configured to transfer signals from the processor module to the corresponding propellers such that the processor module controls the plurality of propellers.

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