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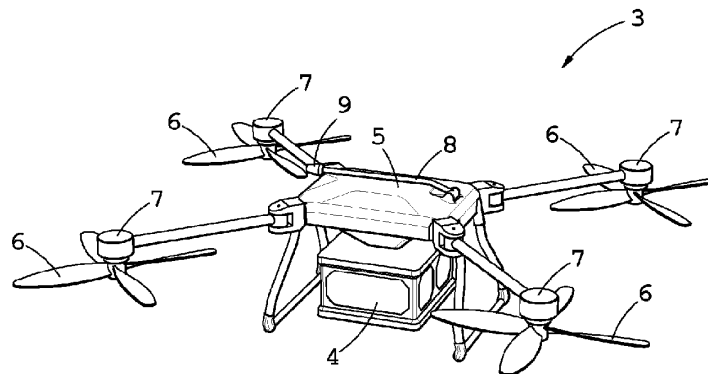


FIGURE 1

(57) **Abstract:** This invention relates to unmanned aerial vehicle (UAV) charging system. The UAV charging system includes a primary UAV and an energy UAV with the primary UAV and the energy UAV having electric propulsion which is powered by a rechargeable battery. The energy UAV battery has a relatively greater capacity than the primary UAV battery and the energy UAV includes a charging element which connects to a battery charger on one end and has a charging connector at the other end. The primary UAV has a complementary connector for connecting to the charging connector. The system also includes a guidance controller which controls movement of the UAVs and which, when required, moves the UAVs to a charging position wherein the charging connector engages the complementary connector and the primary UAV battery is charged from the energy UAV battery through the charging system.

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