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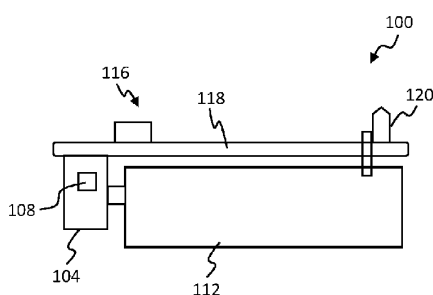


FIG. 1

(57) Abstract: A rotorcraft with adjustable wingspan is provided, including: a housing member having disposed thereon a flight controller operable to control a flight of the rotorcraft; a wing member coupled to the housing member at a first side thereof, whereby the wing member is configured to produce an aerodynamic force for generating a lift when the rotorcraft is rotating and the wing member is in an extended state; a wingspan control system coupled to the housing member and configured to control a wingspan of the wing member during flight between the extended state and a folded state, whereby the wingspan control system comprises a wing support frame configured to support the wing member; and a thrust unit configured to generate a thrust for rotating the rotorcraft, whereby the flight controller is communicatively coupled to the thrust unit for controlling the thrust unit to control the flight of the rotorcraft.

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