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(54) Title: MONOCOPTER

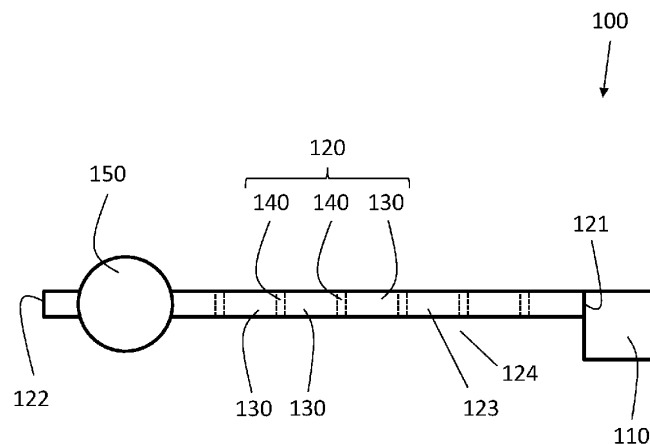


FIG. 1

(57) Abstract: According to various embodiments, there may be provided a monocopter. The monocopter may include a body chassis. The monocopter may further include a wing structure extending from the body chassis, the body chassis being at a root of the wing structure. The wing structure may include a plurality of rigid wing segments distributed along a spanwise direction extending between the root and a tip of the wing structure. The wing structure may further include a plurality of flexible wing segments, each flexible wing segment adjoining a pair of adjacent rigid wing segments of the plurality of rigid wing segments. The monocopter may further include a propulsion unit coupled to a rigid wing segment of the plurality of rigid wing segments between a midspan of the wing structure and the tip of the wing structure.

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