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(54) **Title:** MONO-WING AERIAL DEVICE AND METHOD OF FORMING THE MONO-WING AERIAL DEVICE

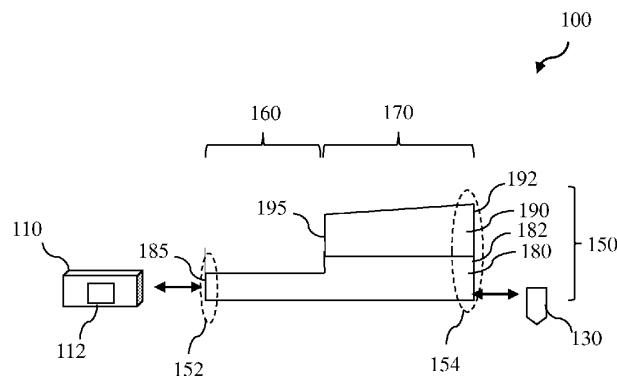


FIG. 1

(57) **Abstract:** There is provided a mono-wing aerial device which includes a housing member having disposed thereon electronic components and a power source, including a controller configured to control a thrust unit; a wing member coupled to the housing member, the wing member configured to produce aerodynamic forces for autorotation of the aerial device, the wing member comprising a first edge portion proximal to the housing member and a second edge portion distal to the housing member, wherein the wing member is coupled to the housing member at the first edge portion; and the thrust unit coupled to the wing member at the second edge portion, wherein the thrust unit is configured to generate thrust in a direction substantially tangential to a rotational plane of the wing member. There is also provided a method of forming the mono-wing aerial device.

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