

WING STRUCTURE AND ATTACHMENT TO FRAME FOR UNMANNED AERIAL VEHICLES

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ABSTRACT

Systems for wing structure and attachment to frame for Unmanned Autonomous Vehicle (UAV) are disclosed herein. In one embodiment, a UAV includes an H-frame having a wing spar secured to two or more boom carriers. The wing spar includes two or more mounting locations, where each of the two or more mounting locations of the wing spar secures a horizontal propulsion unit. The boom carriers include a plurality of mounting locations, each of the plurality of mounting locations of the boom carriers securing a vertical propulsion unit. The UAV also includes a pre-formed wing shell attached to the H-frame.

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Fig. 2