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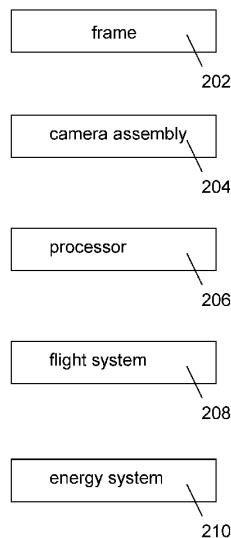
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(54) Title: AERIAL VEHICLE AND METHOD OF FORMING THE SAME, METHOD OF DETERMINING DIMENSION OF OBJECT

FIG. 2



(57) Abstract: Various embodiments may relate to an aerial vehicle. The aerial vehicle may include a frame. The aerial vehicle may also include a camera assembly attached to the frame, the camera assembly including a cascaded bi-directional linear actuator and a camera attached to the cascaded bi-directional linear actuator such that the camera is configured to be moved to different positions by the cascaded bi-directional linear actuator to capture a plurality of images of an object. The aerial vehicle may further include a processor in electrical connection to the camera such that the processor is configured to determine one or more dimensions of the object based on the plurality of images. The aerial vehicle may additionally include a flight system configured to move the aerial vehicle. The aerial vehicle may also include an energy system in electrical connection to the camera assembly, the processor, and the flight system.

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