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(54) Title: TRIPEDAL FLEXURE MEMBER AND LOAD/TORQUE MEASUREMENT SYSTEMS USING SAME

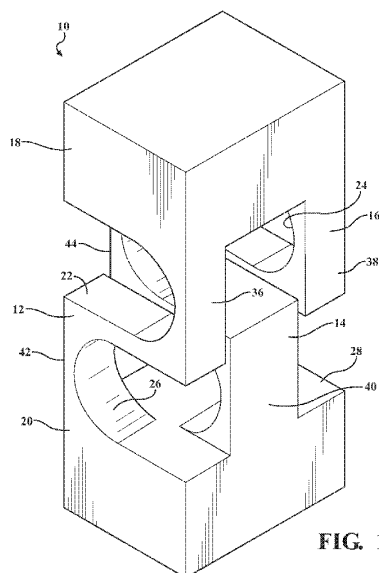


FIG. 1

(57) Abstract: A flexure structure comprising the unitary combination of three modified S-shaped beams arranged in parallel and sharing common top and bottom structures. The outside beams are oriented alike in one direction while the inside or center beam is oriented in the opposite direction. The outside edge surfaces of the beams are flat and are instrumented with strain sensors connected in bridge circuits.

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