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(54) **MULTI-LAYERED COMPLIANT MECHANISMS AND METHOD OF MANUFACTURE**

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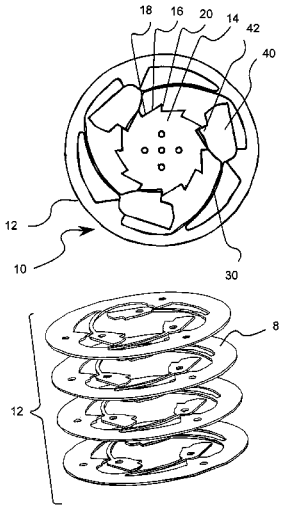
(57) **ABSTRACT**

A compliant mechanism and method of manufacturing the same includes a plurality of layers formed from stamping a plurality of layers from a layer of thinner material and stacking the layers together. Compliant mechanisms can include clutches, switches, derailleurs, brakes and other mechanisms. The compliant mechanism includes rigid and flexible sections of integral construction. The rigid and flexible sections provide an integral device capable of achieving motion by elastic deformation. The flexible section is deflectable, and stores energy in the form of strain energy when deflected.

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