Stepping Flexures

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DESCRIPTION

This technology is a actuator. The actuator has a pair of elements joined together by a flexure. The elements and the flexure are located between surfaces of a frame with a race formed between surfaces. One of the elements is joined to the load. A moving unit selectively attracts or repels corresponding element towards or away from the surface of the frame. The load is moved towards or away from the elements by changing the position of one of the elements on the surfaces of the frame.

FEATURES AND BENEFITS

- The actuator is very simple in structure and robust, so that the performance is reliable.
- The force/torque gain output of the actuator is high.

APPLICATIONS

- MEMS Systems
- Aircrafts
- Missiles
- Spacecrafts
- Surgical Equipment
- Automotive Applications

FOR MORE INFORMATION

If you are interested in more information or want to pursue transfer of this technology, GSC-14562-1, please contact:

Darryl Mitchell
Technology Manager
NASA Goddard Space Flight Center
Innovative Partnerships Program Office
darryl.r.mitchell@nasa.gov
301-286-5169