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(54) **ADJUSTABLE, MULTI-AXIS MOTION STABILIZER APPARATUS AND METHOD**

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(76) Inventors: **John D. Martelli**, Pensacola, FL (US);  
**Marsha Martelli**, Pensacola, FL (US)

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 360 days.

*Primary Examiner* — Michael A. Brown

(74) *Attorney, Agent, or Firm* — J. Nevin Shaffer, Jr.

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(57) **ABSTRACT**

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An adjustable, multi-axis, motion stabilizer apparatus and method includes a first curved cup with a curved radius, the first curved cup with an inside surface and an outside surface. A cup hole extends through the first curved cup. A second curved cup is provided, also with a curved radius. The curved radius of the second curved cup is approximately equal to the curved radius of the first curved cup. The second cup also includes an inside surface and an outside surface where the outside surface of the second curved cup fits with the inside surface of the first curved cup. A cup hole is provided in the second curved cup and a pin, conformed to fit in the cup holes, connects the first curved cup with the second curved cup. Also, a size adjustment device is provided for controlling movement of the pin within the cup holes.

(51) **Int. Cl.**  
**A61F 5/00** (2006.01)

(52) **U.S. Cl.**  
USPC ..... 602/16; 602/20; 602/23

(58) **Field of Classification Search**  
USPC ..... 602/16, 20-28; 128/882; 5/624  
See application file for complete search history.

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**20 Claims, 5 Drawing Sheets**

