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**Maciejewski**

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[54] **VIBRATION DAMPENER**

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[51] Int. Cl.<sup>6</sup> ..... **F16F 15/023**

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[58] Field of Search ..... **188/267, 268, 322.5; 267/130, 136, 140.14, 140.15, 152, 153, 292; 252/73, 572**

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[57] **ABSTRACT**

There is disclosed a vibration dampener comprising a body for disposition between two relatively movable members, the body being formed from a carrier of a gel material and particles having electrorheological properties embedded in the carrier with the particles electrically aligned and pseudo-bonded. Upon a displacement force being applied to the body, as by one of the members, the particles resist motion relative to other of the particles. There is further disclosed a method for making the aforesaid vibration dampener wherein the dampener has a current passed through it while the carrier cures into a gel material.

**6 Claims, 3 Drawing Sheets**

