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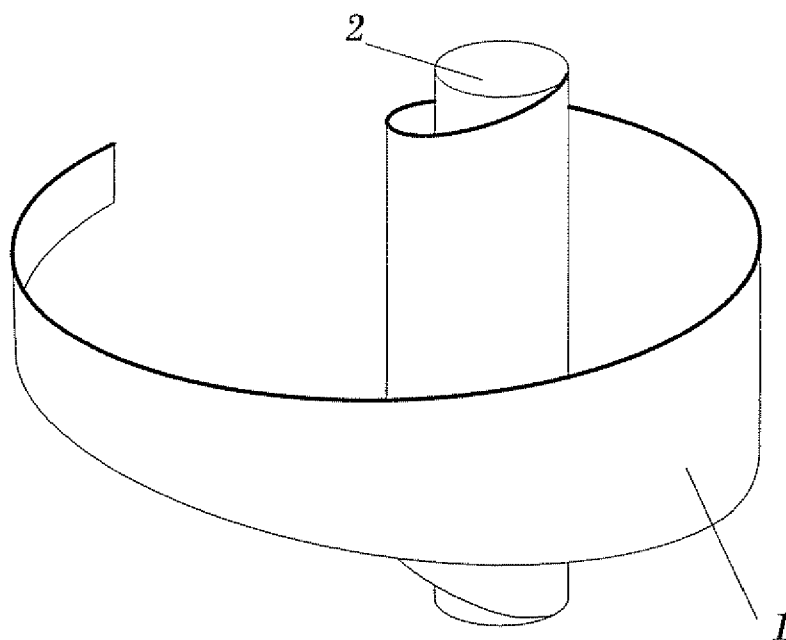
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(54) Title: ELASTODYNAMIC ENERGY ACCUMULATOR-REGULATOR



(57) Abstract:

The elastodynamic energy accumulator-regulator comprises a sheet (1) that is wound or capable of being wound in radioidal spiral form with increasing or decreasing curvature along the length of the spiral, capable of absorbing energy at variable torque and supply a practically constant torque in broad working areas. The laminate or set of sheets that are wound or capable of being wound about themselves as a spring has variable thickness and/or width and/or reinforcement along its length, and is held at both ends. The laminate or set of sheets is made of composite materials with polymer matrix and fiber reinforcement. This elastodynamic energy accumulator-regulator has application as an energy accumulator or regulator in many applications such as wind energy production and other renewable

energies, applications in transport, applications in uninterruptible power supply systems, applications in electric network regulation, etc.

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