

Title (en)
SHOCK PROTECTION OF A LEAF SPRING RESONATOR WITH RCC PIVOT

Title (de)
STOSSDÄMPFUNGSSCHUTZ EINES RESONATORS MIT RCC-SCHWENKFEDERN

Title (fr)
PROTECTION ANTICHOCH D'UN RÉSONATEUR À LAMES A PIVOT RCC

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Application
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Abstract (en)
[origin: JP2019191160A] To provide a strip resonator with an RCC flexure pivot. SOLUTION: The present invention relates to a timepiece resonator mechanism 100 including a structure 1 and an inertia element 2 oscillating about an axis D. The inertia element 2 is subjected to return forces exerted by an RCC flexure pivot 200 with elastic resonator strips 3. The elastic resonator strips 3 are each fixed to the structure 1 and to the inertia element 2 and essentially deformable in a plane perpendicular to the axis D, straight and extending in parallel or coincident planes. Crossing, in projection onto a plane perpendicular to the axis D, in directions of the strips 3 defines the axis D. The strips 3 are fixed on the inertia element 2 side to a stiff element 13 comprised in an anti-shock element 10, and on which stiff element 13 are fixed the strips 3. The stiff element 13 is integral with anti-shock flexible elements 11 arranged to keep the inertia element 2 suspended, the anti-shock element 10 providing shock protection for the strips 3 of the flexure pivot 200. SELECTED DRAWING: Figure 1

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