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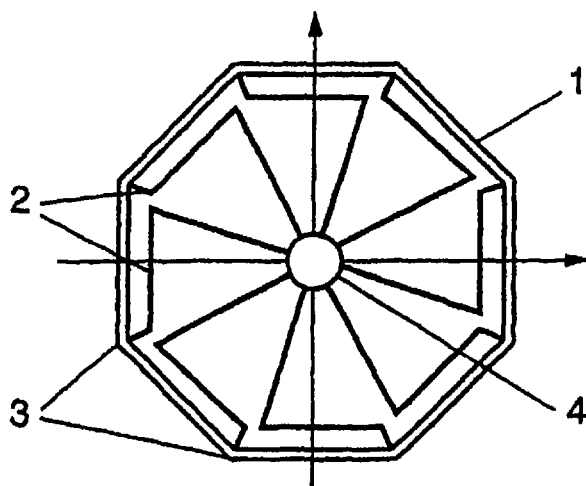
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As printed

(54) Title: PLANAR MECHANICAL RESONATOR SENSITIVE ALONG AN AXIS PERPENDICULAR TO ITS PLANE

(54) Titre : RESONATEUR MECANIQUE PLANAIRE SENSIBLE SELON UN AXE PERPENDICULAIRE A SON PLAN



(57) Abstract: The invention concerns a mechanical resonator with a planar monolithic vibrating structure extending along a closed contour whereof the axis of sensitivity is substantially perpendicular to the plane of said structure. The invention is characterised in that the planar structure (1) is a regular convex polygon with 4k vertices (3) (k being the order of the vibrational mode implemented when the resonator is vibrated) and is suspended to a fixed base (4, 5) via n suspension arms (2) with substantially radial extension arranged substantially symmetrically.

(57) Abrégé : L'invention concerne un résonateur mécanique à structure vibrante monolithique plane s'étendant selon un contour fermé dont l'axe de sensibilité est sensiblement perpendiculaire au plan de ladite structure, caractérisé en ce que la structure plane (1) est polygonale régulière convexe à 4k sommets (3) (k étant l'ordre du mode vibratoire mis en oeuvre lorsque le résonateur est mis en

vibration) et est suspendue à un socle fixe (4, 5) par l'intermédiaire de n bras de suspension (2) d'étendue sensiblement radiale disposés sensiblement symétriquement

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*For an explanation of the two-letter codes and the other abbreviations, reference is made to the explanations ("Guidance Notes on Codes and Abbreviations") at the beginning of each regular edition of the PCT Gazette.*