

Title (en)
ISOCHRONOUS TIMEPIECE RESONATOR

Title (de)
ISOCHRONER ZEITMESSERRESONATOR

Title (fr)
RESONATEUR ISOCHRONE D'HORLOGERIE

Publication
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Application
EP 16701499 A 20160126

Priority
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Abstract (en)
[origin: WO2016124436A1] The invention relates to an isochronous timepiece oscillator mechanism (1), including a stationary mounting (2) supporting a crossmember (4) supporting N primary resonators (10) each including a mass (5) supported by a rotary flexible guide (20) attached to said crossmember (4). Each primary resonator (10) has a centre of mass (CM) which, when inoperative, is on the virtual pivoting axis (APV) of the rotary flexible guide (20) thereof and is arranged to oscillate by rotating said virtual pivoting axis (APV), said primary resonators (10) are arranged with symmetry of rotation of order N about a main axis (AP) parallel to the virtual pivoting axes (APV), and the oscillation movements of any two primary resonators (10) are out of phase with the value of the central angle formed by the respective virtual pivoting axes thereof (APV) with the main axis (AP). The invention also relates to a clock movement (100) including such an isochronous oscillator mechanism (1) and to a watch (200) including such a movement (100).

IPC 8 full level
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Citation (search report)
See references of WO 2016124436A1

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