

Title (en)
ANIMATION MECHANISM OF AN OBJECT FOR A TIMEPIECE

Title (de)
MECHANISMUS ZUR ANIMATION EINES OBJEKTS FÜR UHR

Title (fr)
MECANISME D'ANIMATION D'UN OBJET POUR PIECE D'HORLOGERIE

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Abstract (en)
[origin: WO2023117622A1] The invention relates to a mechanism (1) for animating an object (7) for a portable timepiece, comprising a mount element (3) on which are mounted:- a driving source (5);- a drive wheel (12) arranged to be driven by said driving source (5) and defining a main pivot axis (A) about which said drive wheel (12) is arranged to pivot;- a driving element (15) connected to said drive wheel (12) for rotation therewith and arranged to drive said object (7) such that it rotates about said main pivot axis (A);- a revolving plate (17) arranged coaxially with said drive wheel (12) and having a support system (13) for said object, said support system (13) being off-center relative to said main pivot axis (A), wherein said support system (13) comprises a first frame (13b) pivotably mounted on said revolving plate (17) about said first pivot axis (A1), as well as an inner frame (13f) pivotably mounted in said first frame (13b) about a second pivot axis (A2) which is substantially orthogonal to said first pivot axis (A1), and wherein said object (7) is supported by a shaft (13h) pivotably mounted in said inner frame (13f) about a third pivot axis (A3), said shaft (13h) being connected to a pinion (13l) for rotation therewith, which pinion meshes with a toothing (19a) which is coaxial with said drive wheel, said toothing (19a) being stationary or arranged to rotate.

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