

Title (en)
CLOCK MOVEMENT PROVIDED WITH A DEVICE FOR POSITIONING A MOBILE MEMBER IN A PLURALITY OF DISCRETE POSITIONS

Title (de)
UHRWERK, DAS MIT EINER VORRICHTUNG ZUR POSITIONIERUNG EINES MOBILLEN ELEMENTS IN EINER VIELZAHL VON DISKRETEN POSITIONEN AUSGESTATTET IST

Title (fr)
MOUVEMENT HORLOGER MUNI D'UN DISPOSITIF DE POSITIONNEMENT D'UN ÉLÉMENT MOBILE DANS UNE PLURALITÉ DE POSITIONS DISCRÈTES

Publication
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Application
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Priority
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Abstract (en)
[origin: US2018253060A1] The timepiece movement is provided with a movable element (22A) capable of being momentarily immobilised in any one of N discrete stable positions, and with a device (44) for positioning said movable element comprising a lever (26A) and a magnetic system (28) formed of a first magnet (30) integral with the lever, with N second magnets (32) integral with the movable element and arranged along an axis of displacement, and with a highly magnetically permeable element (34) arranged facing one polar end of the first magnet located on the side of the movable element. The polarity of the first magnet is reversed with respect to that of the second magnets. A first magnetic torque exerted on the lever carrying the first magnet has a first direction over a first section and a second direction, opposite to the first direction, over a second section of the distance between two successive stable positions, the first direction defining a return torque towards the movable element for a contact portion (46) of the lever. For each of the N discrete stable positions, the first magnetic torque is applied in said first direction. In particular, the movable element is a date ring and the stable positions are date display positions.

IPC 8 full level
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CPC (source: CN EP US)
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