

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
EP 3373080 B1 20210505 (FR)

Application
EP 17159361 A 20170306

Priority
EP 17159361 A 20170306

Abstract (en)
[origin: US2018253061A1] The timepiece movement includes a date ring having a plurality of display positions, and a device for positioning said ring in any one of the display positions. The positioning device comprises a lever and a magnetic system formed of a first fixed magnet, a second magnet integral with the lever and a magnetic structure integral with the ring and moving between the two magnets, this magnetic structure being formed of a highly magnetically permeable material and having a radial dimension that varies periodically to define a plurality of periods which correspond to the distances between the display positions. The magnetic axes of the two magnets are substantially aligned and their respective polarities are opposite. During the driving of the ring, the magnetic torque that is applied to the lever varies, so that it is pressed against the ring in the display positions but tends to move away from the ring on one part of the angular movement between these display positions.

IPC 8 full level
G04B 19/253 (2006.01)

CPC (source: CN EP US)
G04B 19/247 (2013.01 - CN); **G04B 19/25333** (2013.01 - CN US); **G04B 19/25353** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3373080 A1 20180912; EP 3373080 B1 20210505; CN 108535995 A 20180914; CN 108535995 B 20191217; JP 2018146577 A 20180920; JP 6457675 B2 20190123; US 10488823 B2 20191126; US 2018253061 A1 20180906

DOCDB simple family (application)
EP 17159361 A 20170306; CN 201810182832 A 20180306; JP 2018036238 A 20180301; US 201815905859 A 20180227