

Title (en)
TIMEPIECE COMPRISING A DEVICE FOR SWITCHING A MECHANISM OF SAID TIMEPIECE

Title (de)
UHR MIT SCHALTVORRICHTUNG FÜR EINEN MECHANISMUS DIESER UHR

Title (fr)
PIÈCE D'HORLOGERIE COMPRENANT UN DISPOSITIF DE COMMUTATION D'UN MÉCANISME DE CETTE PIÈCE

Publication
EP 3264198 B1 20200115 (FR)

Application
EP 16177616 A 20160701

Priority
EP 16177616 A 20160701

Abstract (en)
[origin: US2018004165A1] The vertical coupling/uncoupling device includes a switching member and a control member, the latter being arranged to pivot about an axis of rotation to be able to be driven in rotation step-by-step successively into a plurality of distinct angular positions. The control member and the switching member respectively include a first magnetic structure and a second magnetic structure arranged to exhibit a magnet interaction therebetween. These first and second magnetic structures are arranged such that, depending on the angular position of the control member, a first magnetic force or a second magnetic force is produced, these first and second magnetic forces being oriented along said axis of rotation but in opposite directions. The switching member is subjected to an alternate movement between its first and second stable axial positions when the second magnetic structure is driven in rotation step-by-step in said given direction of rotation.

IPC 8 full level
G04B 11/00 (2006.01); **G04F 7/08** (2006.01)

CPC (source: EP US)
G04B 11/005 (2013.01 - EP US); **G04C 13/0409** (2013.01 - US); **G04F 7/0842** (2013.01 - EP US)

Cited by
CN113296383A; US11353826B2

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)
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DOCDB simple family (application)
EP 16177616 A 20160701; CN 201710523321 A 20170630; HK 18107287 A 20180604; JP 2017125946 A 20170628; US 201715634319 A 20170627