

Title (en)

MAGNETIC ANTISHOCK SYSTEM FOR A TIMEPIECE ARBOR

Title (de)

MAGNETISCHES STOSSDÄMPFERSYSTEM FÜR EINE UHRENSPINDEL

Title (fr)

ANTICHOC MAGNÉTIQUE POUR ARBRE D'HORLOGERIE

Publication

EP 3283926 A1 20180221 (FR)

Application

EP 16714904 A 20160407

Priority

- EP 15163809 A 20150416
- EP 2016057582 W 20160407

Abstract (en)

[origin: WO2016166006A1] Watch subassembly (200), including an arbor (10) comprising a magnetised or charged surface (16) pivoting in a housing (14; 15), and a polar weight (11; 12; 31; 32) subjecting this surface to a magnetic or electrostatic field about an axis (DA), a polar weight (11; 12; 31; 32) interacting axially with this surface to absorb a shock and then subsequently return the arbor (10) to its operating position, and creating, in proximity to the surface, a magnetic or electrostatic field that either attracts the arbor (10) radially toward a wall of the housing (14; 15) or varies along the axis (DA) and applies to the arbor (10) a resistive force resulting from the interaction between a polar weight (11; 12; 31; 32) and the surface.

IPC 8 full level

G04B 31/02 (2006.01)

CPC (source: CN EP US)

G04B 31/02 (2013.01 - CN 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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3081997 A1 20161019; CN 107430382 A 20171201; CN 107430382 B 20200414; EP 3283926 A1 20180221; EP 3283926 B1 20240626; JP 2018508024 A 20180322; JP 6484723 B2 20190313; US 10474107 B2 20191112; US 2018136608 A1 20180517; WO 2016166006 A1 20161020

DOCDB simple family (application)

EP 15163809 A 20150416; CN 201680018227 A 20160407; EP 16714904 A 20160407; EP 2016057582 W 20160407; JP 2017547494 A 20160407; US 201615564303 A 20160407