

Title (en)

TIMEPIECE RESONATOR MECHANISM WITH INERTIAL MASS WHEEL WITH INERTIA AND UNBALANCE ADJUSTMENT

Title (de)

RESONATORMECHANISMUS EINES UHRWERKS MIT EINER TRÄGHEITSMASSE MIT TRÄGHEITS- UND UNWUCHTREGULIERUNG

Title (fr)

MECANISME RESONATEUR D'HORLOGERIE AVEC MASSE INERTIELLE A REGLAGE D'INERTIE ET DE BALOURD

Publication

EP 3835879 B1 20240124 (FR)

Application

EP 19214354 A 20191209

Priority

EP 19214354 A 20191209

Abstract (en)

[origin: US2021173350A1] An inertial mass with adjustment of inertia and/or unbalance for a horological resonator, including a plurality of mobiles for adjusting inertia and/or unbalance, toothed or fluted, each mounted pivotably about a mobile axis with respect to a flange that the inertial mass includes, and with a centre of mass off-centre with respect to this mobile axis, each mobile cooperating by meshing with an inertia and/or unbalance adjustment crown, toothed or fluted, under a permanent constraint exerted by an elastic return force exerted by the crown and/or the mobile.

IPC 8 full level

G04B 17/06 (2006.01); **G04B 17/28** (2006.01); **G04B 18/00** (2006.01)

CPC (source: CN EP US)

G04B 17/063 (2013.01 - EP); **G04B 17/28** (2013.01 - EP US); **G04B 18/006** (2013.01 - CN EP); **G04B 18/04** (2013.01 - CN); **G04D 7/084** (2013.01 - US); **G04B 17/063** (2013.01 - 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 3835879 A1 20210616; **EP 3835879 B1 20240124**; CN 113031423 A 20210625; CN 113031423 B 20220816; JP 2021092541 A 20210617; JP 7066803 B2 20220513; US 11714386 B2 20230801; US 2021173350 A1 20210610

DOCDB simple family (application)

EP 19214354 A 20191209; CN 202011316874 A 20201120; JP 2020174381 A 20201016; US 202017038025 A 20200930