

Title (en)

MECHANISM PREVENTING RATE VARIATIONS DUE TO GRAVITATION ON AN ADJUSTING DEVICE WITH A SPIRAL BALANCE AND TIMEPIECE EQUIPPED WITH SUCH AN IMPROVEMENT

Title (de)

MECHANISMUS ZUR VERMEIDUNG DER SCHWERKRAFTBEDINGTEN GANGVARIATIONEN AUF EINER REGULIERVORRICHTUNG MIT SPIRALUNRUH, UND MIT DIESER PERFEKTIONIERUNG AUSGESTATTETE UHR

Title (fr)

MÉCANISME ÉVITANT LES VARIATIONS DE MARCHE DUES À LA GRAVITATION SUR UN DISPOSITIF RÉGLANT À BALANCIER-SPIRAL ET PIÈCE D'HORLOGERIE INCORPORANT CE PERFECTIONNEMENT

Publication

EP 2533109 B1 20190313 (FR)

Application

EP 11004697 A 20110609

Priority

EP 11004697 A 20110609

Abstract (en)

[origin: EP2533109A1] The mechanism has a regulating unit including a hairspring and an escape wheel mounted on a platform. The platform is mounted to rotate freely about an axis relative to a bottom plate of a clock such that the platform rotates under an effect of earth's gravity. A wheel system includes a kinematic drive chain to connect the wheel to a barrel system and a kinematic correcting chain to cancel an effect of movements and speed of the platform relative to the plate. A regulating device comprises a flywheel (50) connected to the platform and driven by the movements between the platform and the plate.

IPC 8 full level

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

CPC (source: EP US)

G04B 17/00 (2013.01 - US); **G04B 17/28** (2013.01 - US); **G04B 17/285** (2013.01 - EP US)

Cited by

CN110161829A; EP3978383A1; WO2022069373A1; US11402804B2

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 2533109 A1 20121212; **EP 2533109 B1 20190313**; CN 103797426 A 20140514; CN 103797426 B 20161005; US 2014098647 A1 20140410; US 9134702 B2 20150915; WO 2012168773 A1 20121213

DOCDB simple family (application)

EP 11004697 A 20110609; CN 201280028354 A 20120524; IB 2012001008 W 20120524; US 201214123818 A 20120524