

Title (en)

MECHANISM FOR SYNCHRONIZATION OF TWO TIMEPIECE OSCILLATORS WITH A WHEEL TRAIN

Title (de)

MECHANISMUS ZUR SYNCHRONISIERUNG VON ZWEI UHRENOSZILLATOREN MIT EINEN RÄDERSATZ

Title (fr)

MECANISME DE SYNCHRONISATION DE DEUX OSCILLATEURS D'HORLOGERIE AVEC UN ROUAGE

Publication

EP 3191897 A2 20170719 (FR)

Application

EP 15730171 A 20150622

Priority

- EP 14184155 A 20140909
- EP 2015063892 W 20150622

Abstract (en)

[origin: WO2016037717A2] Timepiece regulator mechanism (100) comprising an escapement wheel (51) mounted to be moveable, at least pivotably, with respect to a plate (1), arranged to receive a motor torque via a wheel train, a first oscillator (110) comprising a first rigid structure (310) connected to the plate (1) by a first flexible blade (210A) and a second flexible blade (210B) crossed with each other, a second oscillator (120) comprising a second rigid structure (320) connected to the first rigid structure (310) by a third flexible blade (220A) and a fourth flexible blade (220B) crossed with each other, and said second structure (320) having a guide (42) arranged to interact with a complementary guide (52) which comprises the escapement wheel (51), synchronizing the first oscillator (110) and the second oscillator (120) with the wheel train.

IPC 8 full level

G04B 17/06 (2006.01); **G04B 17/26** (2006.01)

CPC (source: CN EP US)

G04B 17/045 (2013.01 - EP); **G04B 17/063** (2013.01 - CN EP US); **G04B 17/26** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2016037717A2

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)

WO 2016037717 A2 20160317; **WO 2016037717 A3 20160519**; **WO 2016037717 A4 20160707**; CN 106537264 A 20170322; CN 106537264 B 20190315; EP 3191897 A2 20170719; EP 3191897 B1 20190102; US 2017068216 A1 20170309; US 9958832 B2 20180501

DOCDB simple family (application)

EP 2015063892 W 20150622; CN 201580033896 A 20150706; EP 15730171 A 20150622; US 201515308508 A 20150622