

Title (en)
Oszillatoren, die durch eine intermittierende Hemmung synchronisiert sind

Title (de)
Synchronised oscillators for an intermittent escapement

Title (fr)
Oscillateurs synchronisés par un échappement à intermittence

Publication
EP 2570867 B1 20170510 (FR)

Application
EP 12180495 A 20120815

Priority
• EP 11181512 A 20110915
• EP 12180495 A 20120815

Abstract (en)
[origin: EP2570866A1] The timepiece (1) has a resonator (R1) oscillating at a preset frequency and connected to a main energy source (B2) by a main gear train (T2) via a main escapement (D2). Another resonator (R2) oscillates at another frequency, which is lower than the former frequency. The latter resonator is connected with the main escapement so as to synchronize maintenance of the former resonator to the latter frequency, where the main escapement is detent escapement and comprises a single escape wheel cooperating with two detents that are controlled by the resonators.

IPC 8 full level
G04B 15/00 (2006.01); **G04B 15/06** (2006.01); **G04B 17/06** (2006.01); **G04B 17/20** (2006.01); **G04B 17/22** (2006.01); **G04B 17/26** (2006.01); **G04B 17/28** (2006.01); **G04F 7/08** (2006.01)

CPC (source: EP RU US)
G04B 15/00 (2013.01 - RU US); **G04B 15/06** (2013.01 - EP US); **G04B 17/063** (2013.01 - US); **G04B 17/20** (2013.01 - US); **G04B 17/22** (2013.01 - EP US); **G04B 17/26** (2013.01 - EP US); **G04B 17/285** (2013.01 - US); **G04F 7/08** (2013.01 - US); **G04F 7/0866** (2013.01 - EP US)

Cited by
CN110955139A

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 2570866 A1 20130320; CN 102998959 A 20130327; CN 102998959 B 20150610; EP 2570867 A1 20130320; EP 2570867 B1 20170510; HK 1183526 A1 20131227; JP 2013064739 A 20130411; JP 5478687 B2 20140423; RU 2012139635 A 20140320; RU 2604292 C2 20161210; US 2013070569 A1 20130321; US 9128464 B2 20150908

DOCDB simple family (application)
EP 11181512 A 20110915; CN 201210342476 A 20120914; EP 12180495 A 20120815; HK 13110948 A 20130925; JP 2012203956 A 20120918; RU 2012139635 A 20120914; US 201213610024 A 20120911