

Title (en)
High-performance bi-axial escapement, or HPBE

Title (de)
Zweiachsige Hochleistungshemmung

Title (fr)
Echappement bi-axial à haute performance, soit EBHP

Publication
EP 2487546 B1 20210630 (FR)

Application
EP 11405210 A 20110211

Priority
EP 11405210 A 20110211

Abstract (en)
[origin: EP2487546A1] The escapement (1) has a first escapement mobile part (2) provided with a first set of escapement teeth (22) and a second escapement mobile part (3) provided with a second set of escapement teeth (32), and an anchor (4) carrying first and second stop pallet stones (42, 43). Coupling wheels (29, 39) mechanically couple the first escapement mobile part to the second escapement mobile part. A roller (5) comprises a first impulse pallet stone (52) co-operating with the first set of escapement teeth, and a second impulse pallet stone (53) co-operating with the second set of escapement teeth. An independent claim is also included for a timepiece comprising first and second barrels.

IPC 8 full level
G04B 15/06 (2006.01); **G04B 15/08** (2006.01); **G04B 15/14** (2006.01)

CPC (source: EP US)
G04B 15/06 (2013.01 - EP US); **G04B 15/08** (2013.01 - EP US); **G04B 15/14** (2013.01 - EP US)

Citation (examination)
EP 1983390 A1 20081022 - ETA SA MFT HORLOGERE SUISSE [CH]

Cited by
CH714200A1; EP4194959A1; CN112368648A; EP4105731A1; WO2016001740A3; EP3479175B1

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 2487546 A1 20120815; EP 2487546 B1 20210630; JP 2012168172 A 20120906; JP 5972586 B2 20160817; US 2012207000 A1 20120816; US 8562205 B2 20131022

DOCDB simple family (application)
EP 11405210 A 20110211; JP 2012019577 A 20120201; US 201213370510 A 20120210