

Title (en)

Detent escapement for timepiece movement

Title (de)

Chronometerhemmung für Uhrwerk

Title (fr)

Echappement à impulsion directe, notamment à détente, pour mouvement d'horlogerie

Publication

EP 2224292 B1 20121010 (FR)

Application

EP 10405034 A 20100224

Priority

- EP 09405037 A 20090226
- EP 10405034 A 20100224

Abstract (en)

[origin: EP2224292A2] The escapement has arresting element inserted into the path of the teeth of the escape wheel comprising a sliding surface integral with the detent rocker, so as to move into the path of the teeth. The arresting element of the detent rocker comprises a safety surface (4e) situated outside the path of the teeth and adjacent to the path, when the detent rocker is in the unlocking position. The movement of the arresting element into the path of the teeth is prevented, when the escape wheel communicates the movement impulse to the balance wheel.

IPC 8 full level

G04B 15/06 (2006.01)

CPC (source: EP US)

G04B 15/06 (2013.01 - EP US)

Cited by

EP3907566A1; US11906929B2; EP2450757A1; US8556499B2; EP2450756A1; US8602637B2; EP2450755A1; US8439556B2; US11397408B2

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2224292 A2 20100901; EP 2224292 A3 20110921; EP 2224292 B1 20121010; CN 101819403 A 20100901; CN 101819403 B 20120229; JP 2010197393 A 20100909; JP 5596370 B2 20140924; US 2010214881 A1 20100826; US 8087819 B2 20120103

DOCDB simple family (application)

EP 10405034 A 20100224; CN 201010124231 A 20100225; JP 2010040461 A 20100225; US 71277610 A 20100225