

Title (en)

Ewiger Kalender mit Einzelsperre

Title (de)

Single-ratchet instant perpetual calendar

Title (fr)

Quantième perpétuel instantané mono-cliquet

Publication

EP 2503411 B1 20141203 (FR)

Application

EP 11159239 A 20110322

Priority

EP 11159239 A 20110322

Abstract (en)

[origin: EP2503411A1] The mechanism (100) has a single click finger (1) hinged to a perpetual lever (2). The finger directly co-operates with a toothing comprised in a thirty-one ratchet wheel (31), which pivots integrally about a pivot axis (D) of a thirty-one snail cam (4). The cam directly or indirectly controls a date display unit i.e. date display pinion (412). A countdown mechanism (300) determines the number of teeth of the ratchet wheel for each day and adjusts duration of co-operation between the click finger and the ratchet wheel according to current month and current day of the month. An independent claim is also included for a timepiece.

IPC 8 full level

G04B 19/253 (2006.01)

CPC (source: EP US)

G04B 19/2536 (2013.01 - EP US)

Cited by

EP3734372A1; EP3009893A1; US9448534B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2503411 A1 20120926; EP 2503411 B1 20141203; CN 102692864 A 20120926; CN 102692864 B 20141112; JP 2012198213 A 20121018; JP 5537585 B2 20140702; US 2012243382 A1 20120927; US 8711658 B2 20140429

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EP 11159239 A 20110322; CN 201210078428 A 20120322; JP 2012065129 A 20120322; US 201213424532 A 20120320