

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)
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 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

DOCDB simple family (application)
EP 11159239 A 20110322; CN 201210078428 A 20120322; JP 2012065129 A 20120322; US 201213424532 A 20120320