

Title (en)
Ewiger Kalendermechanismus

Title (de)
Perpetual calendar mechanism

Title (fr)
Mécanisme de quantième perpétuel

Publication
EP 1586962 A3 20080910 (FR)

Application
EP 05005083 A 20050309

Priority
CH 6482004 A 20040414

Abstract (en)
[origin: EP1586962A2] The mechanism has levers to drive a date mobile. The mobile is moved instantaneously by a small ratchet (14) when a day passes to next day within a month and when last day of a month of 31 days passes to the first day of following month. The mobile is moved partially in a dragging manner by a large ratchet (40) when the last day of a month less than 31 days passes to the first day of the following month. The date mobile is constituted of a date star (16), a date wheel (28) with 31 teeth, a unit wheel (29), and a tens wheel (30) with four teeth and a correction cam. The respective levers carry the small ratchet (14) and the large ratchet (40). An independent claim is also included for a clock piece.

IPC 8 full level
G04B 19/253 (2006.01); **G04B 19/26** (2006.01)

CPC (source: EP US)
G04B 19/2536 (2013.01 - EP US); **G04B 19/2538** (2013.01 - EP US); **G04B 19/268** (2013.01 - EP US)

Citation (search report)
[A] EP 1349020 A1 20031001 - DUBUIS ROGER MANUF SA [CH]

Cited by
EP1818738A3; CH705955B1; CN103576534A; EP1801667A1; CN102012669A; EP3786723A1; US8942067B2; EP2642354A1; CN103324079A; KR101403192B1; RU2609399C2; EP3026504A1; US9703262B2; EP3026505A1; US9690257B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
EP 1586962 A2 20051019; **EP 1586962 A3 20080910**; **EP 1586962 B1 20130717**; **EP 1586962 B9 20131009**; CH 697662 B1 20090115; HK 1075940 A1 20051230; JP 2005300548 A 20051027; JP 4504863 B2 20100714; US 2005232085 A1 20051020; US 7706214 B2 20100427

DOCDB simple family (application)
EP 05005083 A 20050309; CH 6482004 A 20040414; HK 05109922 A 20051107; JP 2005115967 A 20050413; US 10544405 A 20050414