

Title (en)
Calendar mechanism for a clockwork

Title (de)
Kalendermechanismus für Uhrwerk

Title (fr)
Mécanisme de calendrier pour mouvement horloger

Publication
EP 2813902 A1 20141217 (FR)

Application
EP 13172171 A 20130614

Priority
EP 13172171 A 20130614

Abstract (en)
[origin: WO2014198954A2] The present invention relates to a counting device, for a calendar mechanism of a clock movement, comprising a stationary toothed part (250, 550) and a program train (222, 522) which are coaxial, the latter comprising a first rotary plate (224, 524) having outer teeth (225, 525), a device for correcting short months which includes at least one tooth (228, 528) that is movable between a retracted position and an extracted position, in which said tooth is added to the teeth (225, 525) of the first plate, and a control mechanism (238, 248, 538, 548) arranged such as to define the position of the movable tooth (228, 528) and including at least one wheel (248, 548) arranged such as to engage with the stationary toothed part (250, 550). Said device is characterized in that the control mechanism comprises a train for the months (238, 538), which is rotatably mounted on the first plate (224, 524), which includes teeth (245, 545) that have a kinematic connection with the wheel (248, 548), and which supports a cam (240, 540) that is arranged such as to engage with the movable tooth (228, 528) and define the position thereof.

Abstract (fr)
Dispositif de comptage, pour mécanisme de calendrier de mouvement horloger, comportant un organe denté fixe (250, 550) et un mobile de programme (222, 522), coaxiaux, ce dernier comportant une première planche rotative (224, 524) présentant une denture externe (225, 525), un dispositif de correction des mois courts comprenant au moins une dent mobile (228, 528) entre une position escamotée et une position extraite, dans laquelle elle est ajoutée à la denture (225, 525) de la première planche, et un mécanisme de commande (238, 248, 538, 548) agencé pour définir la position de la dent mobile (228, 528) et comprenant au moins une roue (248, 548) agencée en prise avec l'organe denté fixe (250, 550). Le mécanisme de commande comporte un mobile des mois (238, 538), monté rotatif sur la première planche (224, 524), comprenant une denture supplémentaire (245, 545) présentant une liaison cinématique avec la roue (248, 548) et, portant une came (240, 540) agencée pour coopérer avec la dent mobile (228, 528) et en définir la position.

IPC 8 full level
G04B 19/253 (2006.01)

CPC (source: CN EP)
G04B 19/2534 (2013.01 - EP); **G04B 19/2536** (2013.01 - CN)

Citation (search report)

- [XA] CH 699102 A2 20100115 - RICHEMONT INT SA [CH]
- [A] EP 1868047 A1 20071219 - VAUCHER MFT FLEURIER SA [CH]
- [AD] EP 1351104 A1 20031008 - NARDIN ULYSSE SA [CH]

Cited by
CH715471A1; CH718699A1; IT201900004735A1; EP4020097A1; EP3588201A1; CH715119A1; US11977355B2; US2020050152A1; US11921462B2; WO2022253603A1; WO2020201917A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2813902 A1 20141217; CN 105683844 A 20160615; CN 105683844 B 20190319; EP 3008523 A2 20160420; EP 3008523 B1 20200122; WO 2014198954 A2 20141218; WO 2014198954 A3 20160114

DOCDB simple family (application)
EP 13172171 A 20130614; CN 201480033834 A 20140613; EP 14729694 A 20140613; EP 2014062484 W 20140613