

Title (en)

Mechanical device indicating a status change for a semi-instant or instant display mechanism by steps

Title (de)

Mechanische Anzeigevorrichtung für die Zustandsveränderung eines halbschnell oder schnell weiter springenden Anzeigemechanismus

Title (fr)

Dispositif mécanique indicateur de changement d'état pour un mécanisme d'affichage semi-instantané ou instantané par sauts

Publication

**EP 2595006 B1 20171101 (FR)**

Application

**EP 11189553 A 20111117**

Priority

- EP 11189553 A 20111117
- CH 18422011 A 20111117

Abstract (en)

[origin: US2013128706A1] Change of state indicator (2) device for a timepiece display mechanism (30) by jumps of a given magnitude for the display of a transition between two stable display states of said given magnitude movable close to the display zone of said magnitude facing a supplementary display (3) driven discontinuously by a drive element (7) against elastic return means (19). A driving pinion (9) controls a star wheel (10) in a discontinuous manner in order to control each jump against a beak (14) of a first arm (15) of a lever (13) controlling a pivoting movement and a return to position of said indicator (2) each time said beak (14) passes between two successive tooth spaces (12) of said star wheel (10) by means of a tooth (11) between said spaces (12), said lever (13) comprising a second support arm (16) of said indicator (2) or controlling its displacement.

IPC 8 full level

**G04B 19/04** (2006.01); **G04B 45/00** (2006.01)

CPC (source: EP KR US)

**G04B 19/02** (2013.01 - EP KR US); **G04B 19/04** (2013.01 - EP US); **G04B 19/25353** (2013.01 - EP US); **G04B 45/0007** (2013.01 - EP US)

Cited by

WO2017158536A1; US11003139B2; EP3889692A1; EP3889693A1; WO2021198434A1; WO2021198436A1

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)

**US 2013128706 A1 20130523; US 8982677 B2 20150317**; CH 705782 A2 20130531; CN 103123454 A 20130529; CN 103123454 B 20151223; EP 2595006 A1 20130522; EP 2595006 B1 20171101; HK 1185673 A1 20140221; JP 2013108983 A 20130606; JP 6037792 B2 20161207; KR 101445454 B1 20140926; KR 20130054929 A 20130527; TW 201341990 A 20131016; TW I551964 B 20161001

DOCDB simple family (application)

**US 201213678119 A 20121115**; CH 18422011 A 20111117; CN 201210462868 A 20121116; EP 11189553 A 20111117; HK 13113186 A 20131126; JP 2012252787 A 20121117; KR 20120130570 A 20121116; TW 101141594 A 20121108