

Title (en)
STEPWISE TIMEPIECE DISPLAY MECHANISM

Title (de)
UHR-ANZEIGEMECHANISMUS MIT SOFORTIGEM UMSPRINGEN

Title (fr)
MECANISME D'AFFICHAGE D'HORLOGERIE A SAUT INSTANTANE

Publication
EP 3832397 B1 20230906 (FR)

Application
EP 19213804 A 20191205

Priority
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Abstract (en)
[origin: CN112925186A] The invention relates to a timepiece display mechanism (1) with an instantaneous jump function. The timepiece display mechanism (1) comprises a Maltese cross mechanism with an annular ring (10) controlling, in part of its travel, the pivoting of a planet wheel set (300) and driven by a timepiece movement via a cam wheel set (456) arranged to move the annular ring from an activated position to a deactivated position in an instantaneous displacement in order to pivot a planet wheel set, and vice versa in a controlled return slower than the instantaneous displacement, the cam wheel set (456) includes a coaxial cam (16) and plate (15) including a slot (151) for driving an eccentric finger (160) of the cam which controls the pivoting of a driver (17) driving the annular ring between two extreme activation and deactivation positions, the slot allowing a clear jump of the driver in the deactivation position, and a longer reactivation time.

IPC 8 full level
G04B 19/22 (2006.01); **G04B 19/02** (2006.01); **G04B 19/253** (2006.01); **G04B 19/26** (2006.01)

CPC (source: CN EP US)
G04B 19/02 (2013.01 - EP); **G04B 19/042** (2013.01 - US); **G04B 19/16** (2013.01 - CN); **G04B 19/22** (2013.01 - EP);
G04B 19/24313 (2013.01 - US); **G04B 19/25353** (2013.01 - EP US); **G04B 19/26** (2013.01 - EP)

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DOCDB simple family (publication)
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