

Title (en)
CLOCK WITH A MECHANICAL DRIVE

Publication
EP 0194448 A3 19880727 (DE)

Application
EP 86101576 A 19860207

Priority
DE 3508637 A 19850311

Abstract (en)
[origin: US4641975A] In a clock provided with a mechanical drive for the going train and having one or more striking mechanisms controlled by the going train, the motion regulator of the going train comprises a quartz-controlled stepping mechanism whose arbor is in drive connection with the wheelwork of the going train via an escapement. The connection insures that each step of its arbor releases the going train subject to the torque of the mechanical drive for a defined angle. Thereby it becomes possible to use for the going train a commercial, i.e. low-torque, quartz controlled stepping mechanism and yet to have available the torques required for the control of one or more striking mechanisms. It is of advantage if, between the arbor of the stepping mechanism and the wheelwork of the going train gear, elements in the form of a pallet controlled by a cam plate or in the form of a worm wheel engagement are provided, which gear elements remain in self-lock but are releasable from the self-lock by the arbor.

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G04B 17/00; **G04B 21/00**

IPC 8 full level
G04C 3/14 (2006.01); **G04B 15/08** (2006.01); **G04B 17/00** (2006.01); **G04B 21/00** (2006.01); **G04C 3/00** (2006.01)

CPC (source: EP US)
G04B 15/08 (2013.01 - EP US); **G04C 3/008** (2013.01 - EP US)

Citation (search report)

- [A] FR 2268293 A1 19751114 - VALROGER PIERRE [FR]
- [A] CH 120028 A 19270816 - BARBEZAT BOLE SOCIETE ANONYME [CH]
- [A] US 2617247 A 19521111 - PUNZAK JOSEPH F
- [A] CH 166846 A 19340131 - BUEHRER JOHANN [CH]

Designated contracting state (EPC)
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