Title (en)
RUNNING TIME EQUATION MECHANISM CONTROLLED BY A DIFFERENTIAL DEVICE

Title (de)
MECHANISMUS DER WANDERNDEN ZEITGLEICHUNG, DER DURCH EINE DIFFERENZIALVORRICHTUNG GESTEUERT WIRD

Title (fr)
MECANISME D'EQUATION DU TEMPS MARCHANTE COMMANDE PAR UN DISPOSITIF DIFFERENTIEL

Publication
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Application
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Priority
EP 16202829 A 20161208

Abstract (en)
[origin: CN108181797A] The present invention relates to a running time equation mechanism comprising a pointer device, and the pointer device is used to indicate the apparent or actual solar time with the help of a civil time hour pointer (46) and an actual solar time minute hand (50) concentric with the civil time hour pointer (46). The pointer device does not have a civil time minute hand, and the civil time hour pointer (46) is rotated and driven by a clock movement and further drives the actual solar time minute hand (50). The running time equation mechanism 44 also comprises a time equation cam (54) having a contour determined by the difference value between the average solar time or the civil time and the apparent solar time or the actual solar time for each day in a year, the time equation cam (54) is rotated and driven by the clock movement with a rate of one circle every year, and the position of the actual solar time minute hand (50) is determined by the position of the time equation cam (54).

IPC 8 full level
G04B 19/23 (2006.01)

CPC (source: CN EP)
G04B 13/026 (2024.01 - CN); **G04B 19/23** (2013.01 - CN EP)

Citation (examination)
- EP 0509959 A1 19921021 - MONTRES BREGUET SA [CH]
- EP 1792235 B1 20160316 - BLANCPAIN SA [CH]
- EP 1483630 B1 20100505 - BRITISH MASTERS SA [CH]
- EP 2820486 B1 20160217 - BLANCPAIN SA [CH]

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DOCDB simple family (publication)
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DOCDB simple family (application)
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