

Title (en)

UNIVERSAL RUNNING EQUATION OF TIME MECHANISM, AND METHOD FOR SETTING SUCH A MECHANISM

Title (de)

UNIVERSELLER LAUFZEITGLEICHUNGSMECHANISMUS UND VERFAHREN ZUM EINSTELLEN EINES SOLCHEN MECHANISMUS

Title (fr)

MECANISME D'EQUATION DU TEMPS MARCHANTE UNIVERSELLE ET PROCEDE DE REGLAGE D'UN TEL MECANISME

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Application

EP 13705760 A 20130221

Priority

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Abstract (en)

[origin: WO2013127681A1] The invention relates to a universal running equation of time mechanism including a differential device (44), a first input of which consists of a cannon-pinion (46) for the minutes of civil time, and a second input of which consists of a running equation cam (50), the differential device (44) outputting a running equation minute (52), the running equation minute (52) driving a true running equation minute (56) which, via a true equation motion work (58), drives a true running equation hour (60), wherein the cannon-pinion (46) for the minutes of civil time drives, via a mobile motion-work body (68), a wheel (70) for the hours of civil time, a collar (72) which is secured to the wheel (70) for the hours of civil time and which engages with a star (74) which has twelve teeth and which is connected to an axle (76) supporting a hand (78) for the hours of civil time, a time-zone wheel (80) also being secured to the axle (76), and a shifting and display gearing (62) coupled to the true equation motion work (58), thus making it possible to apply, to the true running equation hour (60), the shift associated with the position of the user, in terms of longitude, relative to the center of the time zone, the time zone wheel (80) making it possible to shift the time of the wheel (70) for the hours of civil time forward or backward by an increment of one hour, on the basis of the time difference between the civil time at the location of the user and the time at the center of the time zone. The invention also relates to a method for setting a universal running equation of time mechanism.

IPC 8 full level

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