

Title (en)

RUNNING TIME EQUATION MECHANISM CONTROLLED BY A DIFFERENTIAL DEVICE

Title (de)

MECHANISMUS DER ZEITGLEICHUNG, DER DURCH EINE DIFFERENZIALVORRICHTUNG GESTEUERT WIRD

Title (fr)

MECANISME D'EQUATION DU TEMPS MARCHANTE COMMANDE PAR UN DISPOSITIF DIFFERENTIEL

Publication

EP 3270236 B1 20200212 (FR)

Application

EP 16179617 A 20160715

Priority

EP 16179617 A 20160715

Abstract (en)

[origin: JP2018009972A] PROBLEM TO BE SOLVED: To provide a running equation of time mechanism controlled by a differential gear device. SOLUTION: The running equation of time mechanism includes a differential gear device 64, a first input of which is formed by a cannon-pinion 72 integrated with a civil minute pipe 70 on which a civil minute hand 48 is pressed, and a second input of which is formed by the equation of time cam. The differential gear device 64 includes a planetary reducer wheel set 74 via which the civil minute pipe 70 drives a civil hour pipe 84 on which is pressed the civil hour hand 46, and a planetary multiplier wheel set via which the civil hour pipe 84 drives a true solar minute pipe 102 on which is pressed a true solar minute hand 50. SELECTED DRAWING: Figure 3

IPC 8 full level

G04B 19/26 (2006.01)

CPC (source: EP US)

G04B 19/025 (2013.01 - US); **G04B 19/262** (2013.01 - EP US); **G04B 49/00** (2013.01 - US); **G04B 19/24** (2013.01 - US); **G04B 27/001** (2013.01 - US)

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)

EP 3270236 A1 20180117; **EP 3270236 B1 20200212**; CN 107621772 A 20180123; CN 107621772 B 20200407; EP 3640747 A1 20200422; HK 1249197 A1 20181026; JP 2018009972 A 20180118; JP 6405412 B2 20181017; US 10254714 B2 20190409; US 11281161 B2 20220322; US 2018017942 A1 20180118; US 2019121293 A1 20190425

DOCDB simple family (application)

EP 16179617 A 20160715; CN 201710576035 A 20170714; EP 19207360 A 20160715; HK 18108782 A 20180706; JP 2017103329 A 20170525; US 201715591141 A 20170510; US 201816221023 A 20181214