

Title (en)

TIMEPIECE MOVEMENT COMPRISING A DEVICE FOR DRIVING AN ANALOGUE DISPLAY

Title (de)

UHRWERK, DAS EINE ANTRIEBSVORRICHTUNG EINER ANALOGEN ANZEIGE UMFASST

Title (fr)

MOUVEMENT HORLOGER COMPRENANT UN DISPOSITIF D'ENTRAÎNEMENT D'UN AFFICHAGE ANALOGIQUE

Publication

EP 3070536 B1 20190501 (FR)

Application

EP 15159776 A 20150319

Priority

EP 15159776 A 20150319

Abstract (en)

[origin: US2016274542A1] Timepiece movement including a date display drive device formed of a display disc including a toothing, said drive device including driving means and a drive source. The driving means includes a wheel set including pins, having a toothed wheel and a pinion including pins, and an engaging wheel engaging said toothed wheel. The pinion with pins includes a pair of pins configured to be positioned on either side of any tooth of the toothing. The toothed wheel of the pin wheel and the engaging wheel respectively have complementary non-circular profiles. When the two pins are oriented in a tangential direction to the toothing, these two wheels have a first gear ratio that is lower than a second gear ratio between them when the two pins are in perpendicular alignment to said tangential direction.

IPC 8 full level

G04B 13/00 (2006.01); **G04C 17/00** (2006.01)

CPC (source: CN EP US)

G04B 13/001 (2013.01 - EP US); **G04B 13/002** (2013.01 - EP US); **G04B 13/026** (2024.01 - CN); **G04B 19/247** (2013.01 - CN); **G04B 19/253** (2013.01 - US); **G04C 3/14** (2013.01 - EP US); **G04C 17/005** (2013.01 - EP US); **G04C 17/0066** (2013.01 - EP US)

Cited by

EP4328673A1

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 3070536 A1 20160921; **EP 3070536 B1 20190501**; CN 105988355 A 20161005; CN 105988355 B 20180511; CN 205827083 U 20161221; JP 2016176941 A 20161006; JP 6205447 B2 20170927; US 2016274542 A1 20160922; US 9557714 B2 20170131

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EP 15159776 A 20150319; CN 201610158569 A 20160318; CN 201620213089 U 20160318; JP 2016054882 A 20160318; US 201615069087 A 20160314