

Title (en)

CONTROL SYSTEM FOR A TIMEPIECE

Title (de)

STEUERUNGSSYSTEM FÜR EINE UHR

Title (fr)

SYSTEME DE COMMANDE POUR PIECE D'HORLOGERIE

Publication

EP 3123251 A1 20170201 (FR)

Application

EP 15708215 A 20150306

Priority

- EP 14161801 A 20140326
- EP 2015054744 W 20150306

Abstract (en)

[origin: WO2015144423A1] The invention relates to a control system for a rotating member of a timepiece, including a control member for actuating said rotating member, and a transmission device between said control member and said rotating member. The control system is characterised in that the gear device is a hybrid gear device including a first element which can move about a first axis of rotation (10) and is provided with a drive roller (25) made of an elastomer material, and a second element (31) which can move about a second axis of rotation (30) and is provided with a toothed gearing (32). The drive roller (25) engages with the toothed gearing (32) by means of friction.

IPC 8 full level

G04B 3/04 (2006.01); **G04B 19/28** (2006.01)

CPC (source: CN EP US)

G04B 3/041 (2013.01 - EP US); **G04B 11/003** (2013.01 - US); **G04B 13/021** (2013.01 - US); **G04B 13/027** (2013.01 - US); **G04B 19/18** (2013.01 - EP US); **G04B 27/001** (2013.01 - CN); **G04B 27/02** (2013.01 - US); **G04B 19/283** (2013.01 - EP US)

Citation (search report)

See references of WO 2015144423A1

Cited by

EP4336275A1; WO2024052135A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015144423 A1 20151001; CN 106133619 A 20161116; CN 106133619 B 20191203; EP 3123251 A1 20170201; EP 3123251 B1 20210428; JP 2017508159 A 20170323; JP 6262364 B2 20180117; US 10018963 B2 20180710; US 2017123377 A1 20170504

DOCDB simple family (application)

EP 2015054744 W 20150306; CN 201580016302 A 20150306; EP 15708215 A 20150306; JP 2016556938 A 20150306; US 201515128233 A 20150306