

Title (en)  
DEVICE FOR DRIVING AN ANALOGUE INDICATOR, IN PARTICULAR A DATE RING

Title (de)  
ANTRIEBSVORRICHTUNG EINER ANALOGANZEIGE, INSBESONDERE EINES DATUMSANZEIGERINGS

Title (fr)  
DISPOSITIF D'ENTRAÎNEMENT D'UN INDICATEUR ANALOGIQUE, NOTAMMENT D'UN ANNEAU DES QUANTIEMES

Publication  
**EP 2919077 A3 20160525 (FR)**

Application  
**EP 15156373 A 20150224**

Priority  
• EP 14158625 A 20140310  
• EP 15156373 A 20150224

Abstract (en)  
[origin: US2015253732A1] The timepiece movement is fitted with an analogue indicator (6), particularly a date ring including a toothing (18) mechanically coupled to a drive device, which includes a motor and a drive wheel and pinion (8) and a support for the drive wheel and pinion. This support is pivotally mounted on a main plate about a first axis and it defines a second axis, remote from the first axis, about which the drive wheel and pinion is rotatably mounted. The drive device further includes a strip spring (40) exerting a force on the support such that the meshing means of the drive wheel and pinion press against the toothing of the analogue indicator. The meshing means and the toothing have respective profiles selected such that, at least in a plurality of distinct display positions of the analogue indicator, the drive wheel and pinion and the analogue indicator mesh with each other with substantially no play under the action of the strip spring.

IPC 8 full level  
**G04C 17/00** (2006.01); **G04B 13/02** (2006.01)

CPC (source: EP US)  
**G04B 13/02** (2013.01 - US); **G04B 13/027** (2013.01 - EP US); **G04C 17/0066** (2013.01 - EP US)

Citation (search report)  
• [XA] GB 2205181 A 19881130 - ROLEX MONTRES  
• [X] US 4198808 A 19800422 - TAMARU MUNETAKA [JP]  
• [X] JP S60173491 A 19850906 - CITIZEN WATCH CO LTD  
• [A] FR 2124471 A1 19720922 - SUISSE HORLOGERIE

Cited by  
CN106990704A

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)  
**EP 2919076 A1 20150916**; CN 104914703 A 20150916; CN 104914703 B 20170609; EP 2919077 A2 20150916; EP 2919077 A3 20160525; EP 2919077 B1 20190807; HK 1215077 A1 20160812; JP 2015169660 A 20150928; JP 5947937 B2 20160706; US 2015253732 A1 20150910; US 9411311 B2 20160809

DOCDB simple family (application)  
**EP 14158625 A 20140310**; CN 201510101356 A 20150309; EP 15156373 A 20150224; HK 16102915 A 20160314; JP 2015044600 A 20150306; US 201514637836 A 20150304