

Title (en)
Differential gear for a timepiece movement

Title (de)
Differentialzahnradgetriebe für Uhrwerk

Title (fr)
Engrenage différentiel pour mouvement horloger

Publication
EP 2264551 B1 20130807 (FR)

Application
EP 09162837 A 20090616

Priority
EP 09162837 A 20090616

Abstract (en)
[origin: EP2264551A1] The gear has wheels that are rotatably mounted with respect to a central shaft and provided with a toothing (42) arranged to mesh with satellite (26) borne by a satellite carrier. The wheels and the shaft are comprised to engage with mobiles of watch movement. The carrier is secured in rotation with the shaft by a friction device comprising a tube having portions arranged opposing the shaft and carrier. An independent claim is included for timepiece.

IPC 8 full level
G04B 9/00 (2006.01); **G04B 13/00** (2006.01)

CPC (source: EP US)
G04B 9/00 (2013.01 - EP US); **G04B 13/008** (2013.01 - EP US)

Cited by
EP3584642A1; CN110618598A; US11543778B2; WO2012168443A3

Designated contracting state (EPC)
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 SE SI SK TR

DOCDB simple family (publication)
EP 2264551 A1 20101222; EP 2264551 B1 20130807; CN 101923313 A 20101222; CN 101923313 B 20130320; HK 1147568 A1 20110812; JP 2011002451 A 20110106; JP 5578500 B2 20140827; US 2010315908 A1 20101216; US 8251574 B2 20120828

DOCDB simple family (application)
EP 09162837 A 20090616; CN 201010199244 A 20100612; HK 11101532 A 20110216; JP 2010128088 A 20100603; US 81705910 A 20100616