

Title (en)

MECHANISM FOR MAGNETIC ACTUATION OF TIMEPIECE CHIMES

Title (de)

MAGNETISCHER AKTIVIERUNGSMECHANISMUS FÜR SCHLAGWERKE EINER UHR

Title (fr)

MÉCANISME D'ACTIVATION MAGNÉTIQUE DE SONNERIES D'HORLOGERIE

Publication

EP 3079024 B1 20180725 (FR)

Application

EP 15162913 A 20150409

Priority

EP 15162913 A 20150409

Abstract (en)

[origin: US2016299472A1] A watch including a timepiece striking mechanism, including a drive mechanism for driving and controlling the striking mechanism to operate at least one rigid hammer, movable between a first winding position and a second striking position, the hammer being arranged to strike a gong in the second striking position, this hammer including at least one magnetized portion arranged to cooperate with at least one actuator arranged to be driven in motion by the drive mechanism, the actuator including an alternating series of first areas and second areas with different magnetic field characteristics from each other, to whose influence the magnetized portion is successively subjected on order to trigger, as the case may be, the winding of the hammer or the striking of the hammer on the gong.

IPC 8 full level

G04B 21/06 (2006.01); **G04B 23/02** (2006.01); **G10F 1/10** (2006.01); **G10K 1/067** (2006.01)

CPC (source: CN EP US)

G04B 21/04 (2013.01 - EP US); **G04B 21/06** (2013.01 - CN EP US); **G04B 21/12** (2013.01 - EP US); **G04B 23/023** (2013.01 - US); **G04B 23/026** (2013.01 - EP US); **G10F 1/08** (2013.01 - EP US); **G10F 1/10** (2013.01 - US); **G10K 1/067** (2013.01 - EP US)

Cited by

EP3543801A1; CN114384786A; CN115480473A; EP4105734A3; US11927922B2; US11630421B2

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 3079024 A1 20161012; **EP 3079024 B1 20180725**; CH 710948 A2 20161014; CN 106054574 A 20161026; CN 106054574 B 20180831; JP 2016200592 A 20161201; JP 6158982 B2 20170705; US 2016299472 A1 20161013; US 9599963 B2 20170321

DOCDB simple family (application)

EP 15162913 A 20150409; CH 4912015 A 20150409; CN 201610217295 A 20160408; JP 2016077895 A 20160408; US 201615089613 A 20160404