

Title (en)

Chiming mechanism of a watch

Title (de)

Schlagwerkmechanismus einer Armbanduhr

Title (fr)

Mécanisme de sonnerie d'une montre

Publication

EP 2339412 B1 20190102 (FR)

Application

EP 10192444 A 20101124

Priority

CH 20022009 A 20091224

Abstract (en)

[origin: EP2339412A2] The mechanism (1) has a gong (21) connected to a gong-carrier (22), and a hammer (2) mounted on a plate for striking the gong at predetermined times. A damping counterspring (5) i.e. lever, maintains the hammer at a distance from the gong in an idle mode. A spring (3) is in the form of a beam or a strip spring and is wound to drive the hammer against the gong in strike mode to produce an acoustic sound. A stop member (10) is provided on path of the spring in the direction of the gong for increasing the strike speed following contact of a part of the spring in action against the stop member.

IPC 8 full level

G04B 21/06 (2006.01); **G04B 21/12** (2006.01); **G04B 23/02** (2006.01); **G04B 23/12** (2006.01)

CPC (source: EP US)

G04B 21/06 (2013.01 - EP US); **G04B 21/12** (2013.01 - EP US); **G04B 23/026** (2013.01 - EP US); **G04B 23/12** (2013.01 - EP US)

Cited by

CN106292246A; CH708597A1; EP2660662A3; EP2485098A1; WO2015039883A1; EP2362279B1

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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 2339412 A2 20110629; **EP 2339412 A3 20160803**; **EP 2339412 B1 20190102**; CH 702424 A1 20110630; CN 102109808 A 20110629; CN 102109808 B 20121226; HK 1159764 A1 20120803; JP 2011133479 A 20110707; JP 5324555 B2 20131023; TW 201135380 A 20111016; US 2011158058 A1 20110630; US 8514669 B2 20130820

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EP 10192444 A 20101124; CH 20022009 A 20091224; CN 201010601593 A 20101223; HK 11113920 A 20111223; JP 2010284125 A 20101221; TW 99141470 A 20101130; US 97600410 A 20101222