

Title (en)
Chiming mechanism of a watch

Title (de)
Schlagwerkmechanismus einer Armbanduhr

Title (fr)
Mécanisme de sonnerie d'une montre

Publication
EP 2339412 A3 20160803 (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)

Citation (search report)
• [AD] EP 1574917 A2 20050914 - FRANCK MULLER WATCHLAND SA [CH]
• [AD] EP 2048548 A2 20090415 - RICHEMONT INT SA [CH]

Cited by
CH708597A1; CN106292246A; EP2660662A3; EP2485098A1; WO2015039883A1; EP2362279B1

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 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

DOCDB simple family (application)
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