

Title (en)

Striking mechanism for a watch with device to eliminate gong noise

Title (de)

Schlagwerkmechanismus mit schalldämmender Anordnung für eine Glocke einer Armbanduhr

Title (fr)

Mécanisme de sonnerie à agencement isolateur de bruit d'un timbre pour une montre

Publication

**EP 2320282 B1 20120620 (FR)**

Application

**EP 09175266 A 20091106**

Priority

EP 09175266 A 20091106

Abstract (en)

[origin: EP2320282A1] The mechanism has gongs (3-5), where each gong is fixed to a gong holder at one of its ends, where the holder is secured to a plate. Hammers are mounted on the plate for hitting each gong. A noise insulator arrangement formed of an insulating part (6) and a counter insulating part (7) insulates noise of the gong. The insulating part is fixed to be moved by a driving unit formed of a lever in a form of minute rack and levers (11, 12), so that a portion of the insulating part is close to the gong in a rest mode or at remote from the gong in a striking mode. The insulating part and counter-insulating parts are made of elastically deformable plastic materials.

IPC 8 full level

**G04B 21/08** (2006.01); **G04B 23/02** (2006.01)

CPC (source: EP US)

**G04B 21/08** (2013.01 - EP US); **G04B 23/028** (2013.01 - EP US)

Cited by

EP2824520A1; EP2843484A1; US9575467B2

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 SM TR

DOCDB simple family (publication)

**EP 2320282 A1 20110511; EP 2320282 B1 20120620**; CN 102053556 A 20110511; CN 102053556 B 20130619; JP 2011099860 A 20110519; JP 5324545 B2 20131023; US 2011110200 A1 20110512; US 8582398 B2 20131112

DOCDB simple family (application)

**EP 09175266 A 20091106**; CN 201010582885 A 20101105; JP 2010249531 A 20101108; US 94145210 A 20101108