

Title (en)

CHIMING WATCH PROVIDED WITH AN ACOUSTIC MEMBRANE

Title (de)

ARMBANDUHR MIT SCHLAGWERK, DAS MIT EINER SCHALLMEMBRAN AUSGESTATTET IST

Title (fr)

MONTRE À SONNERIE MUNIE D'UNE MEMBRANE ACOUSTIQUE

Publication

EP 3404493 B1 20210901 (FR)

Application

EP 18175157 A 20100316

Priority

- EP 18175157 A 20100316
- EP 10156623 A 20100316

Abstract (en)

[origin: EP2367078A1] The watch (1) has a watch case including a bottom (5) fixed to a middle (4) in a sealing and removable manner, and a glass (2) closing the watch case in a sealed manner. A watch movement (20) is maintained at interior of the watch case and provided with a striking mechanism activated in determined periods to produce a sound. An acoustic membrane (10) is connected to the watch case to radiate the sound produced by the striking mechanism to the outer side of the watch case, where the acoustic membrane is made of amorphous metal.

IPC 8 full level

G04B 21/08 (2006.01); **G04B 23/02** (2006.01); **G04B 23/12** (2006.01); **G04B 37/00** (2006.01)

CPC (source: CH EP US)

G04B 21/08 (2013.01 - CH EP US); **G04B 23/028** (2013.01 - CH EP US); **G04B 23/12** (2013.01 - CH EP US); **G04B 37/0075** (2013.01 - CH EP US); **G10K 13/00** (2013.01 - CH)

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 2367078 A1 20110921; **EP 2367078 B1 20180815**; CH 702839 A2 20110930; CH 702839 B1 20191230; CN 102193490 A 20110921; CN 102193490 B 20130717; EP 3404493 A1 20181121; EP 3404493 B1 20210901; JP 2011191305 A 20110929; JP 5421315 B2 20140219; US 2011228647 A1 20110922; US 8369188 B2 20130205

DOCDB simple family (application)

EP 10156623 A 20100316; CH 3622010 A 20100316; CN 201110061687 A 20110315; EP 18175157 A 20100316; JP 2011057857 A 20110316; US 201113030420 A 20110218