

Title (en)
Musical watch bezel with improved acoustic performance

Title (de)
Spieluhrlunette mit verbesserter akustischer Leistung

Title (fr)
Lunette de montre musicale à performance acoustique améliorée

Publication
EP 3002639 B1 20180131 (FR)

Application
EP 14187235 A 20141001

Priority
EP 14187235 A 20141001

Abstract (en)
[origin: US2016098013A1] Watch bezel for a musical watch, directly carrying a gong or forming a gong, this watch bezel including a toroid receiving a watch crystal, and a thin lug perpendicular to the plane of the toroid including an internal thread for securing to a structure, a case of the musical watch includes a case middle and carries this watch bezel indirectly bearing on a main surface of the case middle with a first O-ring sealing gasket, the case middle and the watch bezel are held securely to each other in a position where, in the free state of the watch bezel and with no excess pressure, the watch bezel is at a distance from the main surface having a value corresponding to a predetermined and non-zero play.

IPC 8 full level
G04B 37/00 (2006.01)

CPC (source: EP US)
G04B 19/283 (2013.01 - US); **G04B 21/00** (2013.01 - US); **G04B 21/08** (2013.01 - US); **G04B 23/005** (2013.01 - US);
G04B 23/028 (2013.01 - US); **G04B 37/0075** (2013.01 - EP US); **G04B 39/00** (2013.01 - US)

Cited by
EP3537230A1; CH716554A1; EP3537229A1; CN110231765A; CN110231766A; EP3623878A1; US11415945B2; US11449009B2

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 3002639 A1 20160406; **EP 3002639 B1 20180131**; CN 105487370 A 20160413; CN 105487370 B 20190315; HK 1223423 A1 20170728;
JP 2016070939 A 20160509; JP 6082075 B2 20170215; US 2016098013 A1 20160407; US 9436161 B2 20160906

DOCDB simple family (application)
EP 14187235 A 20141001; CN 201510639066 A 20150930; HK 16111553 A 20161004; JP 2015194286 A 20150930;
US 201514863617 A 20150924