

Title (en)
MUSICAL WATCH CASE

Title (de)
GEHÄUSE FÜR SPIELUHR

Title (fr)
BOÎTE DE MONTRE MUSICALE

Publication
EP 3537230 A1 20190911 (FR)

Application
EP 19155922 A 20190207

Priority
EP 18160023 A 20180305

Abstract (en)
[origin: US2019271950A1] A musical watch case including a case middle with surfaces for receiving and supporting a cover with a bezel, and a casing ring, and supporting at least one gong with a resonant part distinct from the walls of the case middle, which supports the cover via distinct and remote lugs included in the bezel or the case middle and which are arranged to allow vibration of the cover, and form, with at least one gasket, the only direct contacts between the bezel and the case middle, which includes, around an annular wall defining an inner chamber around the casing ring, and around all the other these lugs, a resonator ring integral with the case middle distant at every point from the bezel and from the lugs, forming with this wall an external radiating cavity.

Abstract (fr)
Boîte de montre musicale (100) comportant une carrure (10) avec des surfaces (11 ; 14) recevant en appui un couvercle (1) avec lunette (2), et un cercle d'encadrement (4), et portant au moins un timbre (6) avec une partie résonante distincte des parois de la carrure (10), laquelle porte le couvercle (1) par des pattes (7) distinctes et distantes que comporte la lunette (2) ou la carrure (10) et qui sont agencées pour permettre la vibration du couvercle (1), et constituant, avec au moins un joint (102), les seuls contacts directs entre la lunette (2) et la carrure (10), laquelle comporte, autour d'une paroi (16) annulaire définissant une chambre intérieure (17) autour du cercle (4), et autour de toutes lesdites pattes (7), un anneau résonateur (8) solidaire de la carrure (10) en tout point distant de la lunette (2) et des pattes (7), formant avec ladite paroi (16) une cavité rayonnante extérieure (18).

IPC 8 full level
G04B 23/02 (2006.01); **G04B 37/00** (2006.01)

CPC (source: CN EP US)
G04B 19/283 (2013.01 - CN); **G04B 21/00** (2013.01 - CN); **G04B 21/08** (2013.01 - CN); **G04B 23/005** (2013.01 - CN);
G04B 23/028 (2013.01 - CN EP US); **G04B 37/0075** (2013.01 - CN EP US); **G04B 37/08** (2013.01 - CN US); **G04B 37/22** (2013.01 - US);
G04B 39/00 (2013.01 - CN)

Citation (applicant)
• CH 712216 A2 20170915 - MONTRES BRÉGUET S A [CH]
• EP 3002639 A1 20160406 - MONTRES BREGUET SA [CH]
• EP 2015080211 W 20151217
• EP 2015080270 W 20151217

Citation (search report)
• [A] CH 712216 A2 20170915 - MONTRES BRÉGUET S A [CH]
• [A] EP 3002639 A1 20160406 - MONTRES BREGUET SA [CH]

Cited by
EP4145230A1

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 3537229 A1 20190911; **EP 3537229 B1 20240424**; CN 110231765 A 20190913; CN 110231765 B 20201110; CN 110231766 A 20190913; CN 110231766 B 20210608; EP 3537230 A1 20190911; EP 3537230 B1 20210331; JP 2019152659 A 20190912; JP 2019152660 A 20190912; JP 6676798 B2 20200408; JP 6676799 B2 20200408; US 11415945 B2 20220816; US 11449009 B2 20220920; US 2019271949 A1 20190905; US 2019271950 A1 20190905

DOCDB simple family (application)
EP 18160023 A 20180305; CN 201910160687 A 20190304; CN 201910161255 A 20190304; EP 19155922 A 20190207; JP 2019033940 A 20190227; JP 2019033941 A 20190227; US 201916286655 A 20190227; US 201916286657 A 20190227