

Title (en)
CHIMING OR MUSICAL TIMEPIECE, WITH RESONANT BEZEL

Title (de)
UHR MIT SCHLAGWERK ODER MUSIK UND RESONANZ-UHRGLASFASSUNG

Title (fr)
PIECE D'HORLOGERIE A SONNERIE OU A MUSIQUE, A LUNETTE RÉSONANTE

Publication
EP 3220210 B1 20200506 (FR)

Application
EP 16160398 A 20160315

Priority
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Abstract (en)
[origin: JP2017167127A] PROBLEM TO BE SOLVED: To provide a musical timepiece which avoids major attenuation of vibrations and allows some of the external elements to vibrate freely.SOLUTION: A musical timepiece includes a gong fastened to a structure 1 or a resonator 2 of a watch case 100. The resonator 2 is rigidly assembled to the structure 1 around a chamber 4, by lugs 7 allowing vibration of the resonator 2 within a determined frequency range. The chamber 4 encloses sealing elements 3, 31, 32 forming with the lugs 7 the only mechanical connection between the structure 1 and the resonator 2. The structure 1 or the resonator 2 includes grooves 51, 52 receiving gaskets 31, 32 in contact with the structure 1 and the resonator 2. The structure 1, the resonator 2, or the sealing element 3 includes rigid protruding relief portions 61, 62 with a hardness of 20 Shore A or less compressing the gaskets 31, 32 in its grooves 51, 52 for minimum damping of the vibration of the resonator 2.SELECTED DRAWING: Figure 21

IPC 8 full level
G04B 21/08 (2006.01); **G04B 23/02** (2006.01); **G04B 37/00** (2006.01); **G04B 37/08** (2006.01)

CPC (source: CN EP US)
G04B 21/00 (2013.01 - CN); **G04B 21/08** (2013.01 - EP US); **G04B 23/028** (2013.01 - EP US); **G04B 37/0008** (2013.01 - CN); **G04B 37/0075** (2013.01 - EP US); **G04B 37/08** (2013.01 - EP US); **G04B 37/084** (2013.01 - CN); **G04B 45/0069** (2013.01 - US); **G10K 1/10** (2013.01 - US); **G10K 1/26** (2013.01 - US)

Citation (examination)

- FR 2777095 A1 19991008 - CHRISTOPHE CLARET SA [CH]
- WO 0036473 A1 20000622 - BUENTER SA [CH], et al

Designated contracting state (EPC)
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DOCDB simple family (publication)
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