

Title (en)
Timepiece case comprising a metal bellows

Title (de)
Uhrgehäuse umfassend einen Metallfaltenbalg

Title (fr)
Boîte de montre comportant un soufflet métallique

Publication
EP 2738625 B1 20150812 (FR)

Application
EP 14157083 A 20100308

Priority
• EP 09405052 A 20090319
• EP 09405202 A 20091125
• EP 10709150 A 20100308
• EP 14157083 A 20100308

Abstract (en)
[origin: WO2010105377A1] The invention relates to a watch case including a middle (2, 24, 34), one opening of which is closed by a bezel (8, 18, 28) and/or a crystal (1, 11, 21), or by a back (40). At least one of the elements for closing the opening is connected to the middle by a resilient metal member (3, 23, 33) having a recessed cross-section defined by the profile of a non-rectilinear wall having a constant thickness and the ends (3a, 3b) of which are connected to the periphery of said closing element (1, 11, 21, 18) of said middle (2, 24, 34), respectively. The profile of said non-rectilinear wall defines at least one annular fold having an orientation parallel to the plane of said opening, said fold being formed by a curvature, the arc of which defines an angle of between $> 90^\circ$ and 180° , so as to impart to said closing member (1, 11, 21, 18) a freedom of movement relative to the plane of the opening.

IPC 8 full level
G04B 37/05 (2006.01); **G04B 37/11** (2006.01); **G04B 39/02** (2006.01); **G04B 43/00** (2006.01); **G04C 1/02** (2006.01); **G04G 17/02** (2006.01); **G04G 17/08** (2006.01)

CPC (source: EP US)
G04B 37/052 (2013.01 - EP US); **G04B 37/11** (2013.01 - EP US); **G04B 39/02** (2013.01 - EP US); **G04B 43/002** (2013.01 - EP US); **G04G 17/08** (2013.01 - EP US)

Cited by
EP3644132A1; EP3696618A1; US11320788B2; EP3623878A1; US11640142B2

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)
WO 2010105377 A1 20100923; CN 102356362 A 20120215; CN 102356362 B 20140716; EP 2409200 A1 20120125; EP 2409200 B1 20140423; EP 2738625 A1 20140604; EP 2738625 B1 20150812; JP 2012520988 A 20120910; JP 5570584 B2 20140813; US 2012002513 A1 20120105; US 8876371 B2 20141104

DOCDB simple family (application)
CH 2010000061 W 20100308; CN 201080012503 A 20100308; EP 10709150 A 20100308; EP 14157083 A 20100308; JP 2012500024 A 20100308; US 201013257041 A 20100308