

Title (en)

Push button for timepiece including a valve

Title (de)

Druckstößel für eine Uhr, das ein Ventil enthält

Title (fr)

Poussoir pour pièce d'horlogerie incorporant une soupape

Publication

EP 2685327 B1 20180905 (FR)

Application

EP 12175537 A 20120709

Priority

EP 12175537 A 20120709

Abstract (en)

[origin: EP2685327A1] The button has a spring (10) arranged between a bottom face (58) of a head (9) and a retaining unit (54) partially derived from a cylindrical armature (50). Another spring (13) is wound around a push button stem (8). The latter spring has an end resting on the retaining unit and another end resting on another retaining unit (55). The latter spring is bent, and acts as a valve i.e. push button valve, if a pressure prevailing inside the timepiece is higher than a pressure prevailing outside the timepiece. A cylindrical spacer is made of a deformable material.

IPC 8 full level

G04B 37/10 (2006.01); **G04B 3/04** (2006.01)

CPC (source: EP RU US)

G04B 3/046 (2013.01 - US); **G04B 3/048** (2013.01 - EP US); **G04B 37/106** (2013.01 - EP US); **G04C 3/001** (2013.01 - US); **G04B 17/32** (2013.01 - RU)

Cited by

EP3428741A1; EP3451079A1; CN109424785A; EP3428740A1; US11994830B2; US10895847B2; US10901370B2

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 2685327 A1 20140115; EP 2685327 B1 20180905; CN 103576526 A 20140212; CN 103576526 B 20161228; JP 2014016349 A 20140130; JP 5616495 B2 20141029; RU 2013131258 A 20150120; RU 2620870 C2 20170530; US 2014010055 A1 20140109; US 8764284 B2 20140701

DOCDB simple family (application)

EP 12175537 A 20120709; CN 201310283948 A 20130708; JP 2013142319 A 20130708; RU 2013131258 A 20130708; US 201313921593 A 20130619