

Title (en)
THREADED CROWN

Title (de)
GESCHRAUBTE KRONE

Title (fr)
COURONNE VISSÉE

Publication
EP 3805869 A1 20210414 (FR)

Application
EP 19202189 A 20191009

Priority
EP 19202189 A 20191009

Abstract (en)
[origin: CN112631108A] The invention relates to a screwing crown (100) for an intermediate part (110) of a watch case (200). The intermediate part has a through-recess (90). The screwing crown includes a tube (5) which can be inserted into the recess (90) and a sub-assembly (20) with a body (1) which can be actuated by a user; the sub-assembly (20) is axially movable relative to the tube (5) and comprises a mechanism with a spring (4); the spring (4) is mounted to be axially compressed within the chamber (32), the sub-assembly (20) comprises a support gasket (9); the support gasket (9) includes a spherical cap (99) at a distal end of a first side against the spring (4) and on a second side opposite the first side; the spherical cap (99) is axially centered and bears against a bearing surface (290) of a cover (2) of the sub-assembly (20), the cover (2) cooperates with the body (1) by a threaded connection, and/or in a position where the sub-assembly (20) is screwed on the pipe (5) as far as possible, the cover surrounds the pipe (5) in a sealing connection manner by axial compression of the gasket (25).

Abstract (fr)
Couronne vissée (100) pour une carrure (110) de boîte (200) de montre avec un logement (90) traversant, comportant un tube (5) insérable axialement dans ce logement (90) et un sous-ensemble (20) avec un corps de couronne (1) manipulable par un utilisateur, mobile axialement par rapport au tube (5) et comportant un mécanisme à ressort avec un ressort (4) monté en compression axiale dans une chambre (32), lequel sous-ensemble (20) comporte, en appui sur une extrémité distale du ressort (4) sur un premier côté, une rondelle d'appui (9) comportant sur un deuxième côté opposé au premier côté une calotte sphérique (99) centrée axialement, laquelle calotte sphérique (99) est agencée pour prendre appui sur une surface d'appui (290) que comporte un constituant du sous-ensemble (20).

IPC 8 full level
G04B 3/04 (2006.01); **G04B 37/10** (2006.01)

CPC (source: CN EP)
G04B 3/04 (2013.01 - CN); **G04B 3/041** (2013.01 - EP); **G04B 37/103** (2013.01 - CN EP)

Citation (search report)

- [IA] FR 2987684 A1 20130906 - CHEVAL FRERES [FR]
- [A] EP 1701225 A1 20060913 - BONINCHI SA [CH]
- [A] EP 2592500 A1 20130515 - ROLEX SA [CH]
- [A] CH 242198 A 19460430 - ROLEX MONTRES [CH]

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 3805869 A1 20210414; CN 112631108 A 20210409; CN 112631108 B 20221223

DOCDB simple family (application)
EP 19202189 A 20191009; CN 202010869965 A 20200826