

Title (en)  
CASE SUBASSEMBLY FOR A WATCH

Title (de)  
UNTEREINHEIT ZUR VERKLEIDUNG EINER ARMBANDUHR

Title (fr)  
SOUS-ENSEMBLE D'HABILLAGE POUR MONTRE

Publication  
**EP 3267268 A1 20180110 (FR)**

Application  
**EP 16178582 A 20160708**

Priority  
EP 16178582 A 20160708

Abstract (en)  
[origin: JP2018004647A] PROBLEM TO BE SOLVED: To produce a water-resistant and secure assembly of external part components with an angular indexing which is easy to regulate and a small increment for adjusting the position in a precise manner. SOLUTION: A sub-assembly of external parts for a watch is provided, comprising a water-resistant joint between a first and a second component, which are screwed, one on the other. The first component supports a first inclined toothing 11, which cooperates with a second inclined toothing 21 of the second component. The first component or second component, or a second ring 5 interposed between them comprises a zone which is elastically deformable under the action of a relative rotation between the first and the second component which is caused by an external force. The deformation range of the zone allows compression of the elastically deformable zone, allowing clearance of the teeth tips during the relative rotation, and a release of this zone, allowing return to cooperation of the tips and the hollows of the teeth in a new relative angular position. SELECTED DRAWING: Figure 4

Abstract (fr)  
Sous-ensemble d'habillage (100) pour montre, comportant un joint d'étanchéité (9) entre un premier (1) et un deuxième (2) composants vissés l'un sur l'autre, le premier composant (1) porte une première denture inclinée (11) coopérant avec une deuxième denture inclinée (21) du deuxième composant (2), le premier composant (1) ou deuxième composant (2) ou une deuxième bague (5) interposée entre eux comporte une zone déformable élastiquement sous l'action d'une rotation relative entre le premier (1) et le deuxième (2) composants imposée par un effort externe, et dont la plage de déformation autorise une compression de la zone déformable élastiquement permettant le franchissement des sommets de dents lors de la rotation relative, et une détente de cette zone permettant le retour en coopération des sommets (110, 210) et des creux (220, 120) de dents dans une nouvelle position angulaire relative.

IPC 8 full level  
**G04B 19/28** (2006.01); **G04B 37/08** (2006.01); **G04B 47/06** (2006.01)

CPC (source: EP US)  
**G04B 19/283** (2013.01 - EP US); **G04B 37/08** (2013.01 - EP US); **G04B 47/066** (2013.01 - EP US)

Citation (search report)  
• [A] CH 665522G A3 19880531  
• [A] CH 703400 A2 20120113 - CARTIER CREATION STUDIO SA [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 3267268 A1 20180110**; **EP 3267268 B1 20190605**; CN 107589656 A 20180116; CN 107589656 B 20191105; HK 1248001 A1 20181005; JP 2018004647 A 20180111; JP 6434572 B2 20181205; TW 201805743 A 20180216; TW I743141 B 20211021; US 10073418 B2 20180911; US 2018011445 A1 20180111

DOCDB simple family (application)  
**EP 16178582 A 20160708**; CN 201710551373 A 20170707; HK 18107426 A 20180607; JP 2017130858 A 20170704; TW 106121132 A 20170623; US 201715639668 A 20170630