

Title (en)  
Water-tight control device for a watch

Title (de)  
Wasserdichte Steuerungsvorrichtung für Uhren

Title (fr)  
Dispositif de commande étanche pour montre

Publication  
**EP 0556155 B1 19951227 (FR)**

Application  
**EP 93810069 A 19930204**

Priority  
CH 42492 A 19920212

Abstract (en)  
[origin: EP0556155A1] This device includes a crown (13) having a central cavity (12) and an annular cavity (15), in the back of which a groove (18) is accommodated. The lateral external face of the annular cavity (15) has a threading (17) intended to be screwed onto a threading made on the external lateral face (8) of an outside part of a tube (4) screwed into a watchcase calibre (1). A seal (19) of injected thermoplastic elastomer is arranged inside the annular cavity (15). This seal includes two portions (19a, 19b) of like external diameters but of unlike inside diameters, the portion of larger outside diameter (19a) engaging into the groove (18) and the portion (19b) of smaller inside diameter being that acted upon by the tube (4) in the screwed-home position of the crown. <IMAGE>

IPC 1-7  
**G04B 37/10**

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

CPC (source: EP US)  
**G04B 37/103** (2013.01 - EP US)

Cited by  
EP1205826A1; CH700843A1; EP1378804A3; KR20190052630A; KR20190052623A; EP2375295A3; EP2827202A3; EP2866100A1; EP3432086A1; EP4155834A1; US10018966B2; US10222756B2; US10145711B2; US10655988B2; US11002572B2; US10190891B1; US11015960B2; US11796968B2; US10061399B2; US10379629B2; US10509486B2; US10955937B2; US11513613B2; WO2016144919A1; US10019097B2; US10296125B2; US10572053B2; US10948880B2; US11385599B2; US11720064B2; US11550268B2; US11561515B2; US11815860B2; US11906937B2; US9753436B2; US9886006B2; US10234828B2; US10599101B2; US10613485B2; US10620591B2; US10627783B2; US10942491B2; US11221590B2; US11474483B2; US11531306B2; US11762342B2; US9891651B2; US10579090B2; US11194299B1; US11269376B2; US11635786B2; US11860587B2; US11983035B2; EP2385432A2; WO2011137544A2; US8882342B2; US10664074B2; US10871748B2; US11181863B2; US11194298B2; US11796961B2; US9952558B2; US10037006B2; US10551798B1; US10845764B2; US11988995B2; EP1557728B1; US10048802B2; US10222909B2; US10613685B2; US10884549B2; US11347351B2; US11669205B2; US12045416B2; US8614881B2; US9620312B2; US9709956B1; US9836025B2; US9971305B2; US10175652B2; US10216147B2; US10331081B2; US10331082B2; US10732571B2; US10962930B2; US10962935B1; US11360440B2; US11754981B2; US11886149B2; US12066795B2

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**EP 0556155 A1 19930818; EP 0556155 B1 19951227**; CH 682968 B5 19940630; CH 682968G A3 19931231; DE 69301104 D1 19960208; DE 69301104 T2 19960905; US 5383166 A 19950117

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**EP 93810069 A 19930204**; CH 42492 A 19920212; DE 69301104 T 19930204; US 1308293 A 19930203