

Title (en)
Timepiece incorporating a rotating bezel

Title (de)
Uhr mit einen umdrehbaren Glasreif

Title (fr)
Pièce d'horlogerie comprenant une lunette tournante

Publication
EP 1712959 A1 20061018 (FR)

Application
EP 05008106 A 20050413

Priority
EP 05008106 A 20050413

Abstract (en)
The timepiece has a middle (4) and a bezel (6) rotating on the middle. The bezel and the middle delimit an annular chamber (38) between them. A sealing joint (40), having two lips, is arranged in the chamber. The joint opens towards the bottom, opposite to an interstice (36) through which the chamber communicates with outside, so that one of the two lips serves as corner in case of water overpressure. The lip has a return unit at its free end. A compressive unit (42) such as an O-ring type joint having a smooth outer surface is housed in the sealing joint.

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

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

Citation (search report)
• [DYA] EP 1420307 A1 20040519 - ETERNA SA [CH]
• [YA] PATENT ABSTRACTS OF JAPAN vol. 011, no. 305 (P - 623) 6 October 1987 (1987-10-06)
• [YA] ANONYMOUS: "SOLUTIONS FOR ROTARY APPLICATIONS", 19 April 2004 (2004-04-19), XP002345922, Retrieved from the Internet <URL:<http://web.archive.org/web/20040419192008/http://www.balseal.com/pdfs/RotaryCatalog.pdf>> [retrieved on 20050921]

Cited by
EP2595008A1; EP4250020A1; US9164488B2; WO2013072360A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
EP 1712959 A1 20061018; CN 101238420 A 20080806; CN 101238420 B 20120201; EP 1875316 A1 20080109; HK 1124401 A1 20090710; JP 2008536132 A 20080904; JP 5162446 B2 20130313; US 2008192586 A1 20080814; US 8096703 B2 20120117; WO 2006108530 A1 20061019

DOCDB simple family (application)
EP 05008106 A 20050413; CN 200680011858 A 20060403; EP 06723970 A 20060403; EP 2006003012 W 20060403; HK 09100563 A 20090120; JP 2008505770 A 20060403; US 91136306 A 20060403