

Title (en)
WATCH CASE

Title (de)
UHRENGEHÄUSE

Title (fr)
BOITE DE MONTRE

Publication
EP 1565794 A1 20050824 (FR)

Application
EP 03769145 A 20031113

Priority
• EP 03769145 A 20031113
• CH 0300745 W 20031113
• EP 02405993 A 20021118

Abstract (en)
[origin: EP1420307A1] The watch case (16) has a screwed (30) element (28) which bears the rotatable glass (22) frame (18). An annular chamber (36) separates the glass frame and watch case and is connected to atmosphere by an interstice. The chamber contains an annular elastic collar with a U shaped cross section which houses an undulating spring and positioning ring. Under high water pressure the rings act to open the collar and make it watertight. An Independent claim is also included for a watertight joint which includes an annular collar with two lips made from a highly elastic material and a spring ring and positioning ring which act on the lips under water pressure

IPC 1-7
G04B 19/28; **G04B 37/08**; **G04B 37/10**

IPC 8 full level
G04B 19/28 (2006.01); **G04B 37/08** (2006.01); **G04B 37/10** (2006.01)

CPC (source: EP KR US)
G04B 19/28 (2013.01 - KR); **G04B 19/283** (2013.01 - EP US); **G04B 37/08** (2013.01 - EP KR US); **G04B 37/10** (2013.01 - KR)

Citation (search report)
See references of WO 2004046831A1

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

DOCDB simple family (publication)
EP 1420307 A1 20040519; AT E368878 T1 20070815; AU 2003277792 A1 20040615; CN 100407077 C 20080730; CN 1714317 A 20051228; DE 60315344 D1 20070913; DE 60315344 T2 20080508; EP 1565794 A1 20050824; EP 1565794 B1 20070801; HK 1084195 A1 20060721; JP 2006506624 A 20060223; JP 4533752 B2 20100901; KR 20050086720 A 20050830; US 2006002242 A1 20060105; US 7234858 B2 20070626; WO 2004046831 A1 20040603

DOCDB simple family (application)
EP 02405993 A 20021118; AT 03769145 T 20031113; AU 2003277792 A 20031113; CH 0300745 W 20031113; CN 200380103541 A 20031113; DE 60315344 T 20031113; EP 03769145 A 20031113; HK 06104353 A 20060411; JP 2004552337 A 20031113; KR 20057008931 A 20050518; US 53553505 A 20050518