

Title (en)  
Cambered watch crystal

Title (de)  
Gewölbtes Uhrglas

Title (fr)  
Glace de montre bombée

Publication  
**EP 1645919 B1 20071219 (FR)**

Application  
**EP 04405636 A 20041011**

Priority  
EP 04405636 A 20041011

Abstract (en)  
[origin: EP1645919A1] The crystal has a convex upper face (10) and a concave lower face (12), each presenting a bend radius (RS1, RI1), along 12 hours-6 hours axis, and another bend radius, along 3 hours-9 hours axis. The radiuses are such that the crystal has a constant thickness (e). The crystal is in rectangular, oval or barrel form, and is made of a hard crystalline transparent mineral material such as sapphire, spinel or ruby. An independent claim is also included for equipment for multipart machining of the convex upper face of a watch crystal.

IPC 8 full level  
**G04D 3/06** (2006.01); **B24B 9/08** (2006.01); **G04B 39/00** (2006.01)

CPC (source: EP)  
**G04B 39/00** (2013.01); **G04B 39/006** (2013.01); **G04D 3/065** (2013.01)

Cited by  
EP2228694A1; WO2010102909A1; EP2500135A1; CH708661A1; EP3971253A1; US9914195B2; WO2012123215A1

Designated contracting state (EPC)  
CH FR GB LI

DOCDB simple family (publication)  
**EP 1645919 A1 20060412; EP 1645919 B1 20071219; HK 1089822 A1 20061208**

DOCDB simple family (application)  
**EP 04405636 A 20041011; HK 06110238 A 20060915**