

Title (en)
Timepiece comprising a tourbillon

Title (de)
Uhr mit Tourbillon

Title (fr)
Pièce d'horlogerie comportant un tourbillon

Publication
EP 1686435 A3 20070307 (FR)

Application
EP 05028624 A 20051229

Priority
CH 1382005 A 20050128

Abstract (en)
[origin: EP1686435A2] The timepiece has a movement incorporating a tourbillon mechanism which has a single frame carrying a spiral balance (15). The frame is formed of a cradle (13), and intermediate and upper tourbillon bridges (18, 22). The frame rotates around an axis (X-X) forming an angle, between 0 to 90 degrees, with the plane of movement of the timepiece. The rotational axis of the balance forms an angle between 45 and 90 degrees with the axis (X-X).

IPC 8 full level
G04B 17/06 (2006.01)

CPC (source: EP US)
G04B 17/285 (2013.01 - EP US)

Citation (search report)

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- [A] CH 693832 A5 20040227 - GUEBELIN AG [CH]
- [A] WO 03017009 A2 20030227 - COMPLITIME S A [CH], et al
- [X] GOOD R: "DAS ERSTE >>DOPPEL-TOURBILLON<<", ALTE UHREN, CALLWEY, MUENCHEN, DE, vol. 2, no. 4, 1979, pages 245 - 252, XP008030140, ISSN: 0343-7140
- [X] AUGEREAU P: "ETUDE COMPARATIVE ENTRE LE TOURBILLON BREGUET ET LE CARROUSEL DU DANOIS BONNIKSEN", JAHRBUCH DER DEUTSCHEN GESELLSCHAFT FUR CHRONOMETRIE, DEUTSCHEN GESELLSCHAFT FUR CHRONOMETRIE E.V. STUTTGART, DE, vol. 47, 1996, pages 179 - 182, XP000641599, ISSN: 0373-7616

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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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1686435 A2 20060802; EP 1686435 A3 20070307; EP 1686435 B1 20080827; DE 602005009316 D1 20081009; HK 1088081 A1 20061027; JP 2006208389 A 20060810; JP 5030428 B2 20120919; US 2006187760 A1 20060824; US 7445375 B2 20081104

DOCDB simple family (application)
EP 05028624 A 20051229; DE 602005009316 T 20051229; HK 06109791 A 20060904; JP 2006019234 A 20060127; US 33949006 A 20060126