

Title (en)
Balance for a clock movement

Title (de)
Unruh für Uhrwerk

Title (fr)
Balancier pour mouvement d'horlogerie

Publication
EP 1837719 A1 20070926 (FR)

Application
EP 06111726 A 20060324

Priority
EP 06111726 A 20060324

Abstract (en)
The wheel has a fellowe (3), and four arms (4) connecting the fellowe to a balance wheel axis. Counterweights (11) permit to adjust an unbalancing mass and a movement of inertia. The fellowe (3) comprises studs (7) radially directed towards its interior, where the fellowe and the studs are traversed by a threaded hole (9) in which the counterweights are screwed from the interior of the fellowe. The studs are arranged on an inner surface of the fellowe, where the fellowe is made of copper beryllium and the studs are made of titanium.

Abstract (fr)
Balancier comportant une serge (3), des bras (4) reliant la serge (3) à l'axe de balancier et des masselottes (11). La serge (3) comporte dans sa surface interne des plots (7), ladite serge (3) et lesdits plots (7) étant traversés par un trou taraudé (9) dans lequel lesdites masselottes (11) sont vissées depuis l'intérieur, sans dépasser la surface extérieure de la serge (3).

IPC 8 full level
G04B 17/06 (2006.01); **G04B 18/00** (2006.01)

CPC (source: EP KR US)
G04B 1/00 (2013.01 - KR); **G04B 17/063** (2013.01 - EP US); **G04B 17/32** (2013.01 - KR); **G04B 18/006** (2013.01 - EP US)

Citation (search report)

- [A] FR 936423 A 19480720
- [A] IT 578680 B
- [A] CH 276197 A 19510630 - CALAME ARISTE [CH]
- [A] US 1350035 A 19200817 - INGILD POVELSEN

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EP2746871A1; US9128462B2; CN103885318A; DE102014220009A1; EP4194964A1

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

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EP 1837719 A1 20070926; EP 1837719 B1 20090603; AT E433137 T1 20090615; CN 101042568 A 20070926; CN 101042568 B 20110112; DE 602006007101 D1 20090716; HK 1114186 A1 20081024; JP 2007256291 A 20071004; JP 5324049 B2 20131023; KR 101368517 B1 20140227; KR 20070096872 A 20071002; RU 2007110793 A 20080927; RU 2400791 C2 20100927; TW 200805012 A 20080116; TW I434156 B 20140411; US 2007222276 A1 20070927; US 7661875 B2 20100216

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