

Title (en)
HIGH EFFICIENCY LEVER ESCAPEMENT

Title (de)
HOCHEFFIZIENTE HEBEL-AUFLÖSEVORRICHTUNG

Title (fr)
ECHAPPEMENT A ANCRE A HAUT RENDEMENT

Publication
EP 1904902 A2 20080402 (FR)

Application
EP 06763914 A 20060628

Priority
• EP 2006063616 W 20060628
• CH 11202005 A 20050704

Abstract (en)
[origin: WO2007003539A2] The invention concerns an escapement (1) for a timepiece comprising an anchor (2) articulated on a stem (3) and co-operating with an escapement mobile (4) articulated on an axis (5), said mobile comprising a plurality of teeth (8; 15, 16) uniformly spaced around said mobile, said anchor including an entry pallet (6) and an exit pallet (7) arranged to receive alternately an impulse from one of the teeth borne by the mobile and for acting as rest plane for said tooth. The invention is characterized in that the escapement mobile (4) comprises first and second integral and coaxial wheels (13, 14) including each the same number of teeth (15, 16), in that the entry and exit pallets (6, 7) co-operate respectively with the first and second wheels (13, 14) and in that the peripheral radius (R1) of the first wheel (13) is greater than the peripheral radius (R2) of the second wheel (14).

IPC 8 full level
G04B 15/08 (2006.01)

CPC (source: EP KR US)
G04B 13/02 (2013.01 - KR); **G04B 13/027** (2013.01 - KR); **G04B 15/08** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2007003539A2

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

DOCDB simple family (publication)
WO 2007003539 A2 20070111; WO 2007003539 A3 20070607; AT E425479 T1 20090315; CN 101238419 A 20080806; CN 101238419 B 20100407; DE 602006005672 D1 20090423; EP 1904902 A2 20080402; EP 1904902 B1 20090311; HK 1123858 A1 20090626; JP 2008545129 A 20081211; JP 4894051 B2 20120307; KR 20080020670 A 20080305; US 2008298179 A1 20081204; US 7731415 B2 20100608

DOCDB simple family (application)
EP 2006063616 W 20060628; AT 06763914 T 20060628; CN 200680029013 A 20060628; DE 602006005672 T 20060628; EP 06763914 A 20060628; HK 09100243 A 20090109; JP 2008518820 A 20060628; KR 20087000475 A 20080108; US 99471406 A 20060628