

Title (en)
Lever escapement for timepiece

Title (de)
Ankerhemmung für Uhren

Title (fr)
Echappement à ancre pour pièce d'horlogerie

Publication
EP 1983391 A1 20081022 (FR)

Application
EP 07106375 A 20070418

Priority
EP 07106375 A 20070418

Abstract (en)
The escapement has an escape wheel set (60) fitted with escape wheels (1, 2) that are secured to each other, and a balance roller (3) carrying an impulse pin (4). A pallet assembly (5) cooperates with the impulse pin and is fitted with locking pallet stones (6, 7) and an impulse pallet stone (8). The impulse and locking pallet stones cooperate with teeth of the escape wheels. The pallet assembly drives an auxiliary wheel set (9) carrying another impulse pallet stone (10) that cooperates with the teeth of the escape wheel.

Abstract (fr)
L'échappement à ancre comprend au moins une roue (2) d'échappement. L'ancre (5) est équipée de palettes de repos (6, 7) et d'une première palette d'impulsion (8) coopérant les dents de la roue (2). L'ancre (5) entraîne un mobile auxiliaire (9) portant une seconde palette d'impulsion (10) coopérant avec les dents de la roue (2).

IPC 8 full level
G04B 15/08 (2006.01)

CPC (source: EP US)
G04B 15/08 (2013.01 - EP US)

Citation (search report)

- [X] EP 0018796 A2 19801112 - DANIELS GEORGE
- [A] US 7097350 B1 20060829 - CONUS THIERRY [CH], et al
- [A] CHAMBERLAIN P M: "IT'S ABOUT TIME, THE LEVER ESCAPEMENT", IT'S ABOUT TIME, HOLLAND PRESS., GB, 1978, pages 76 - 81, XP001544011

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EP3557334A1; WO2019201976A1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

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EP 1983391 A1 20081022; EP 1983391 B1 20100120; AT E456079 T1 20100215; CN 101290505 A 20081022; CN 101290505 B 20110803; DE 602007004447 D1 20100311; HK 1125191 A1 20090731; JP 2008268209 A 20081106; JP 5160288 B2 20130313; US 2008259739 A1 20081023; US 7553068 B2 20090630

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EP 07106375 A 20070418; AT 07106375 T 20070418; CN 200810125829 A 20080418; DE 602007004447 T 20070418; HK 09103328 A 20090408; JP 2008106170 A 20080415; US 10549208 A 20080418