

Title (en)
Constant force mechanism for a watch

Title (de)
Konstantkraftvorrichtung für eine Uhr

Title (fr)
Dispositif de force constante pour une montre

Publication
EP 1528443 B1 20080806 (FR)

Application
EP 03405772 A 20031028

Priority
EP 03405772 A 20031028

Abstract (en)
[origin: EP1528443A1] The timepiece has an energy storage device with two seconds wheels engaging with a main-spring and an escapement (8), respectively. An energy storage spring exerts a force on a yoke to separate a finger from a stop wheel. The main spring exerts a force on a setting wheel to press the finger against the stop wheel and allow the storage spring to transmit the energy exerted by the storage spring to the escapement.

IPC 8 full level
G04B 1/22 (2006.01); **G04B 17/28** (2006.01)

CPC (source: EP US)
G04B 1/225 (2013.01 - EP US); **G04B 17/285** (2013.01 - EP US)

Cited by
EP3401739A1; WO2011157797A1; WO2011157591A1; EP2034374A3; EP2397921A1; CN103038711A; EP2397920A1; CN103038712A; CN105607459A; US8038340B2; US11586147B2; US9052692B2; EP1772783A1; US7473027B2; EP4002016A1; EP2506091A2; US9058020B2; JP2013532282A; TWI732598B; JP2013528812A; EP3979007A1; EP3979008A1

Designated contracting state (EPC)
AT CH DE ES GB IT LI

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EP 1528443 A1 20050504; **EP 1528443 B1 20080806**; AT E403893 T1 20080815; DE 60322710 D1 20080918; US 2005088918 A1 20050428; US 6948845 B2 20050927

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EP 03405772 A 20031028; AT 03405772 T 20031028; DE 60322710 T 20031028; US 96832404 A 20041018