

Title (en)
Inertial balance

Title (de)
Trägheitsunruh

Title (fr)
Balancier inertiel

Publication
EP 1705534 A1 20060927 (FR)

Application
EP 05006329 A 20050323

Priority
EP 05006329 A 20050323

Abstract (en)
The wheel has a felloe (1) with two counter sinks (4), in which adjusting masses (8) are mounted. Each counter sink has two lateral walls (5) parallel to a radius of the wheel. A guide pin (6) is located on an axis of symmetry of each sink and projects from a side of the wheel having the counter sinks. Each mass has a cylindrical outer wall cooperating with the lateral walls of the sink and a spiral opening (9) with constant or variable step, receiving the pin. Diameter of the pin is larger than the width of the opening so that the mass is maintained on the pin.

IPC 8 full level
G04B 18/00 (2006.01)

CPC (source: EP)
G04B 18/006 (2013.01)

Citation (search report)
• [A] CH 280067 A 19511231 - MANUF D HORLOGERIE PATEK PHILI [CH]
• [A] US 2003179655 A1 20030925 - SCHEUFELE KARL-FRIEDRICH [CH]
• [A] GB 845773 A 19600824 - JUNGHANS GEB AG
• [A] GB 1275195 A 19720524 - JUNGHANS GMBH GEB [DE]

Cited by
CN113031423A; EP2420900A3; US9164485B2; WO2012069371A1; US8662742B2; US11714386B2; TWI767384B

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1705534 A1 20060927

DOCDB simple family (application)
EP 05006329 A 20050323