

Title (en)
Oscillating system

Title (de)
Schwingsystem

Title (fr)
Système oscillant

Publication
EP 1521140 A3 20071003 (DE)

Application
EP 04019537 A 20040818

Priority
DE 10345918 A 20031002

Abstract (en)
[origin: EP1521140A2] The mechanical clock has a balance wheel (1) and a spiral spring (3) controlling its oscillation. The balance wheel pivots on a cylindrical member (5) with an arm (6) pressed against a fine adjustment screw (10) by a spring (8). The outer end of the spiral spring is held in a clamp (16) with a spring (25) and inner (17) and outer (20) clamping jaws.

IPC 8 full level
G04B 18/02 (2006.01)

CPC (source: EP US)
G04B 18/02 (2013.01 - EP US)

Citation (search report)
• [XAY] FR 2070901 A1 19710917 - PORTESCAP [CH]
• [X] US 221180 A 18791104
• [XA] US 1037741 A 19120903 - DUDLEY WILLIAM W [US]
• [X] FR 958511 A 19500313
• [Y] EP 1199615 A1 20020424 - SEIKO INSTR INC [JP]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL HR LT LV MK

DOCDB simple family (publication)
EP 1521140 A2 20050406; EP 1521140 A3 20071003; EP 1521140 B1 20090930; DE 10345918 A1 20050512; DE 502004010149 D1 20091112; US 2005073912 A1 20050407; US 7237945 B2 20070703

DOCDB simple family (application)
EP 04019537 A 20040818; DE 10345918 A 20031002; DE 502004010149 T 20040818; US 94559504 A 20040921