

Title (en)
Detent escapement for timepieces

Title (de)
Chronometerhemmung für Uhren

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

Publication
EP 1708046 A1 20061004 (FR)

Application
EP 05006850 A 20050330

Priority
EP 05006850 A 20050330

Abstract (en)
The detent escapement has balance staff (16) mounted with roller (1). The roller includes large roller (4) fitted with an impulse pallet stone (5) and small roller (23) provided with notch (22) at its circular periphery (24). The roller includes a control finger (14) and follower (20) ending in a beak (21) arranged for cooperating with the notch of the roller. The roller has safety finger (95) arranged for cooperating with the teeth of the escape wheel (2), and for locking the wheel, when the impulse pallet-stone is accidentally unlocked from the tooth of the wheel.

IPC 8 full level
G04B 15/06 (2006.01)

CPC (source: EP US)
G04B 15/06 (2013.01 - EP US)

Citation (search report)
[DA] CH 64175 D

Cited by
CH716212A1; WO2011120180A1; EP2818941A1; EP2450757A1; US8556499B2; EP2450756A1; US8602637B2; EP2450755A1; US8439556B2; US11397408B2

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)
US 7097350 B1 20060829; AT E390652 T1 20080415; CN 100527019 C 20090812; CN 1841240 A 20061004; DE 602005005632 D1 20080508; DE 602005005632 T2 20090416; EP 1708046 A1 20061004; EP 1708046 B1 20080326; HK 1091560 A1 20070119; JP 2006284582 A 20061019; JP 4896561 B2 20120314; SG 126107 A1 20061030

DOCDB simple family (application)
US 39135406 A 20060329; AT 05006850 T 20050330; CN 200610065981 A 20060329; DE 602005005632 T 20050330; EP 05006850 A 20050330; HK 06112124 A 20061103; JP 2006093909 A 20060330; SG 200601995 A 20060324