

Title (en)
Chronograph

Title (de)
Chronograph

Title (fr)
Chronographe

Publication
EP 1584997 A3 20070926 (DE)

Application
EP 05002644 A 20050209

Priority
DE 102004017345 A 20040406

Abstract (en)
[origin: DE102004017345B3] The stopwatch incorporates a mechanism for starting and stopping the second hand and the minute hand for timing events. The minute wheel (30) for showing time elapsed is connected to a heart-shaped cam (32) with two symmetrically arranged spiral surfaces (31) for synchronization of the minute indicator with the minute hand. A cam follower (28) may be moved to engage with this surface. A pawl (18) may engage on spaces between teeth (34) on the wheel. A control lever (9) has teeth (23) engaging on an isolator wheel (25) with sawtooth-shaped teeth (24) and coaxial with the minute wheel. A wheel (1) with pegs (2) engages a finger (7) on the end of the control lever.

IPC 8 full level
G04F 7/08 (2006.01)

CPC (source: EP US)
G04F 7/0876 (2013.01 - EP US)

Citation (search report)

- [A] DE 1003141 B 19570221 - JEANNERET & CO R
- [A] DE 10135110 A1 20030213 - LANGE UHREN GMBH [DE]
- [A] CH 7411 A 18940531 - REYMOND ROD & AESCHLIMANN [CH]

Cited by
EP2211243A2; US8432772B2; EP2811347A2; US9507323B2; EP2811348A2; US9423773B2

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

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
DE 102004017345 B3 20050901; DE 502005005664 D1 20081127; EP 1584997 A2 20051012; EP 1584997 A3 20070926;
EP 1584997 B1 20081015; HK 1081282 A1 20060512; JP 2005300541 A 20051027; JP 4288250 B2 20090701; US 2005249043 A1 20051110;
US 7014356 B2 20060321

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