

Title (en)

Mechanical watch-movement with incorporated chronometer movement (chronograph movement)

Title (de)

Mechanisches Uhrwerk mit integrierter Stoppuhr (Chronographenwerk)

Title (fr)

Mouvement d'horlogerie mécanique avec chronomètre incorporé (mouvement de chronographe)

Publication

EP 0806712 A3 19990915 (DE)

Application

EP 97107582 A 19970507

Priority

CH 116696 A 19960509

Abstract (en)

[origin: EP0806712A2] The chronograph mechanism has a mechanically operated winding shaft and/or a rotor (1) used for driving a spring housing. The mechanism incorporates an alarm mechanism for providing an acoustic alarm signal, operated from a second spring housing (7) which is coupled to the winding shaft or the rotor directly or via an intermediate gearing. The second spring housing may lie in the same plane as the main spring housing, with a central display for indicating the alarm time and an additional setting shaft for activating and de-activating the alarm.

IPC 1-7

G04F 7/08

IPC 8 full level

G04B 1/14 (2006.01); **G04B 1/12** (2006.01); **G04B 13/00** (2006.01); **G04B 23/02** (2006.01); **G04B 35/00** (2006.01); **G04F 7/00** (2006.01); **G04F 7/08** (2006.01)

CPC (source: EP)

G04B 1/12 (2013.01); **G04B 23/02** (2013.01); **G04F 7/08** (2013.01); **G04F 7/0895** (2013.01)

Citation (search report)

- [A] CH 508905 A 19701231 - BUEREN WATCH COMPANY S A [CH]
- [A] CH 319290 A 19570215 - BAUMGARTNER FRERES SA [CH]
- [A] US 304234 A 18840826
- [A] EP 0493613 A1 19920708 - CITIZEN WATCH CO LTD [JP]

Cited by

EP1498788A1; EP1333345A1; US7508738B2; WO03001304A3; WO2005006087A1; WO03065130A3; US7905655B2; US8113707B2; US8182138B2; US8308345B2

Designated contracting state (EPC)

CH DE ES FR GB IT LI

DOCDB simple family (publication)

EP 0806712 A2 19971112; **EP 0806712 A3 19990915**; **EP 0806712 B1 20020904**; CH 689470 A5 19990430; DE 59708103 D1 20021010; JP H1073671 A 19980317

DOCDB simple family (application)

EP 97107582 A 19970507; CH 116696 A 19960509; DE 59708103 T 19970507; JP 11996297 A 19970509