

Title (en)
Clockwork movement

Title (de)
Uhrwerk

Title (fr)
Mouvement d'horlogerie

Publication
EP 0509959 B1 19960424 (FR)

Application
EP 92810230 A 19920330

Priority
CH 115191 A 19910417

Abstract (en)
[origin: EP0509959A1] The clockwork movement comprises a perpetual calendar mechanism (1-15), a time-equating mechanism (16-19), and a third mechanism (20-23) which is actuated by the first in order to modify the angular position of a time equation cam (16) of the second mechanism, as a function of the number of days in the months. Thus, this cam (16) always makes exactly one complete revolution in one year, whatever the number of days in the year. <??>It is therefore a perpetual calendar and perpetual time-equating movement. It also has the advantage that after indeterminate stoppage, the automatic resetting of the exact angular position of the time equation cam (16) is done without any possible error simply by rephasing the date, the year, the month and the time. <IMAGE>

IPC 1-7
G04B 19/24; **G04B 19/22**

IPC 8 full level
G04B 19/23 (2006.01); **G04B 19/24** (2006.01)

CPC (source: EP US)
G04B 19/23 (2013.01 - EP US); **G04B 19/24** (2013.01 - EP US)

Cited by
US8588031B2; CN105511248A; EP2187272A1; EP2503412A1; JP2012202998A; EP2503410A2; EP3333640B1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0509959 A1 19921021; **EP 0509959 B1 19960424**; AT E137345 T1 19960515; CA 2064947 A1 19921018; CA 2064947 C 19991207; CH 681674 B5 19931115; CH 681674G A3 19930514; DE 69210081 D1 19960530; DE 69210081 T2 19961205; DK 0509959 T3 19960902; ES 2089469 T3 19961001; GR 3020599 T3 19961031; HK 1006880 A1 19990319; US 5184333 A 19930202

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EP 92810230 A 19920330; AT 92810230 T 19920330; CA 2064947 A 19920402; CH 115191 A 19910417; DE 69210081 T 19920330; DK 92810230 T 19920330; ES 92810230 T 19920330; GR 960401958 T 19960723; HK 98105948 A 19980622; US 86097892 A 19920331