

Title (en)

Timepiece driven by mechanical means and with reserve power indicating system

Title (de)

Mechanische Uhr mit Gangreserveanzeige

Title (fr)

Pièce d'horlogerie dont le mécanisme est entraîné par des moyens mécaniques et comprenant un dispositif de réserve de marche

Publication

EP 0851320 B1 20000802 (FR)

Application

EP 96120575 A 19961220

Priority

EP 96120575 A 19961220

Abstract (en)

[origin: EP0851320A1] In a spring driven clock the spring (8) drives the normal gear train (24) through two rotating elements (2,4) which are coupled by a helical spring (6). The torque exerted by the spring which varies with the amount of reserve remaining causes the angular displacement between the rotating elements (2,4) to vary. The size of the angular displacement between the rotating elements (2,4) is limited by a pin (54) which may only move within a cavity cut in the skirt of the upper element (4). Within this range the angular displacement is directly proportional to the torque and the reserve remaining and the latter is displayed by a needle and scale (42,40) attached to the two rotating elements.

IPC 1-7

G04B 9/00

IPC 8 full level

G04B 9/00 (2006.01)

CPC (source: EP)

G04B 9/00 (2013.01)

Cited by

EP1612625A1; EP2360535A1; CN102163037A; US8342740B2; WO2006013120A1; JP2011174927A

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0851320 A1 19980701; EP 0851320 B1 20000802; DE 69609621 D1 20000907; DE 69609621 T2 20010412

DOCDB simple family (application)

EP 96120575 A 19961220; DE 69609621 T 19961220