Title (en)

Gear mechanism, in particular for a time-piece.

Title (de)

Getriebemechanismus, insbesondere für eine Uhr.

Title (fr)

Mécanisme d'engrenage notamment pour une pièce d'horlogerie.

Publication

EP 0458175 B1 19941221 (FR)

Application

EP 91107825 A 19910515

Priority

CH 171690 A 19900521

Abstract (en)

[origin: EP0458175A1] The present invention relates to a gear mechanism for a time-piece. <??>The aim of the invention is to produce a gear mechanism enabling not only one of the runners (gears) forming it to be brought back into a position of origin, but also a second runner (gear) to be driven, while reducing the height of the said mechanism and the number of pieces necessary to perform these two functions. <??>This aim is achieved with the aid of a mechanism comprising a first runner (gear) (24) and a second runner (gear) (34), the first runner (gear) (24) comprising a toothed wheel (30) mounted on a spindle (26) and on which is fixed a heart-shaped cam (32), the point (38) of this cam (32) acting as a meshing means of the second runner (gear) (34) and the cam (32) enabling the said first runner (gear) (24) to be brought back into a position of origin, by virtue of a hammer (36). <??>The invention is intended particularly for chronographs. <IMAGE>

IPC 1-7

G04F 7/08; G04B 13/02

IPC 8 full level

G04B 13/02 (2006.01); **G04F 7/04** (2006.01); **G04F 7/08** (2006.01)

CPC (source: EP US)

G04B 13/027 (2013.01 - EP US); **G04F 7/0804** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0458175 A1 19911127; **EP 0458175 B1 19941221**; CH 680034 B5 19921215; CH 680034G A3 19920615; CN 1029430 C 19950802; CN 1056755 A 19911204; DE 69106043 D1 19950202; DE 69106043 T2 19950803; HK 1000148 A1 19971224; JP H04231893 A 19920820; US 5280460 A 19940118

DOCDB simple family (application)

EP 91107825 A 19910515; CH 171690 A 19900521; CN 91103448 A 19910520; DE 69106043 T 19910515; HK 97101666 A 19970816; JP 14410191 A 19910521; US 70291591 A 19910520