

Title (en)

Synchronisation device for an electronic timepiece

Title (de)

Synchronisationsvorrichtung für eine elektronische Uhr

Title (fr)

Dispositif de synchronisation pour pièce d'horlogerie électronique

Publication

**EP 0759584 B1 20010131 (FR)**

Application

**EP 96113121 A 19960816**

Priority

CH 239395 A 19950822

Abstract (en)

[origin: EP0759584A1] The contact wheel, driven by the hour wheel of the movement, carries an axisymmetric central contact spring with four arms (4,6,8,10) touching conductive tracks (T1-T5) on a printed circuit board. The geometry of the arms ensures a periodic variation of the interconnections between the tracks. Three tracks (T1-T3) subtending equal angles of about 50 degrees at the centre are distributed uniformly around one half of the ring. Three pairs of tracks (T4,T5) individually subtending about 20 degrees are arranged around the other half. An electronic control signal processor memorises the contact configuration in the initial position, and detects any one-hour movement of the wheel.

IPC 1-7

**G04C 3/00**; **G04G 9/00**; **H01H 19/58**

IPC 8 full level

**G04C 3/00** (2006.01); **G04C 9/00** (2006.01); **G04G 9/00** (2006.01); **H01H 1/12** (2006.01); **H01H 19/58** (2006.01)

CPC (source: EP US)

**G04C 3/005** (2013.01 - EP US); **G04G 9/0082** (2013.01 - EP US); **H01H 19/585** (2013.01 - EP US)

Cited by

CN102025481A; US6088302A; EP0936512A3; EP0874292A3; US6584040B1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0759584 A1 19970226**; **EP 0759584 B1 20010131**; CH 688950 B5 19981231; CH 688950G A3 19980630; CN 1095102 C 20021127; CN 1152139 A 19970618; DE 69611709 D1 20010308; DE 69611709 T2 20010816; HK 1012443 A1 19990730; JP H09119990 A 19970506; SG 64401 A1 19990427; TW 308655 B 19970621; US 5734626 A 19980331

DOCDB simple family (application)

**EP 96113121 A 19960816**; CH 239395 A 19950822; CN 96113263 A 19960821; DE 69611709 T 19960816; HK 98113404 A 19981215; JP 22125996 A 19960822; SG 1996010491 A 19960817; TW 85109825 A 19960813; US 70009596 A 19960820