

Title (en)

Clutch mechanism in a gear transmission of a timepiece

Title (de)

Kupplungsmechanismus in einem Uhrwerkzahnradgetriebe

Title (fr)

Dispositif de débrayage dans un train d'engrenages de pièce d'horlogerie

Publication

EP 0884658 B1 20030507 (FR)

Application

EP 97109517 A 19970612

Priority

EP 97109517 A 19970612

Abstract (en)

[origin: EP0884658A1] The gear train (1) links together the driving motor (3) of the watch, and the minute hand (2). The gear train comprises an intermediate wheel (4) in contact with a pinion (9) carried by the rotor (10) of the motor (3). It includes a wheel (5) which is detachable from this train in order to interrupt the movement and stop the movement of the hour display hand and the minute display hand. The detachment of the wheel (5) takes place when the time setting shaft (8) is pulled out into its adjusting position (21). The detachable wheel is subject to a translational movement which extracts other wheels (4,6) from the train. The axes of these wheels remain parallel to each other while being translated.

IPC 1-7

G04B 27/04

IPC 8 full level

G04B 27/04 (2006.01)

CPC (source: EP)

G04B 27/04 (2013.01)

Cited by

US11042123B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0884658 A1 19981216; EP 0884658 B1 20030507; DE 69721741 D1 20030612; DE 69721741 T2 20040318

DOCDB simple family (application)

EP 97109517 A 19970612; DE 69721741 T 19970612