

Title (en)
CLOCKWORK WITH HANDS COMPRISING A DIFFERENTIAL-GEAR MECHANISM

Publication
EP 0008832 B1 19820901 (FR)

Application
EP 79200475 A 19790830

Priority
CH 926478 A 19780904

Abstract (en)
[origin: US4259735A] In a timepiece movement, more particularly a quartz wrist watch movement, having a low-torque stepping motor, there is provided a differential mechanism which drives the hands and makes it possible to move the hour-hand alone in jumps. A cannon-pinion having a toothing acts as a sun gear. A planet gear is mounted on an hour-wheel which acts as a planet carrier. A ring gear takes the form of an annulus having internal teeth which is normally stationary but is controlled by a stem and can be rotated by jumps to cause the planet gear to roll along the cannon-pinion toothing, thus causing the planet carrier and consequently the hour hand to jump.

IPC 1-7
G04B 19/22; **G04B 13/00**; **G04B 27/00**

IPC 8 full level
G04B 19/02 (2006.01); **G04B 13/00** (2006.01); **G04B 19/22** (2006.01); **G04B 19/25** (2006.01); **G04B 27/00** (2006.01)

CPC (source: EP US)
G04B 13/007 (2013.01 - EP US); **G04B 19/221** (2013.01 - EP US); **G04B 27/005** (2013.01 - EP US)

Cited by
FR2541005A1; FR2973125A1; CH689710GA3; CH674290GA3; EP2615506A1; US8867316B2; US8837260B2; WO2012127056A1

Designated contracting state (EPC)
DE FR GB

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DE 2963613 D1 19821028; JP S5537996 A 19800317; US 4259735 A 19810331

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