

Title (en)

Reversing mechanism for an automatic time piece winding device.

Title (de)

Umschaltmechanismus für eine automatische Uhrenaufziehvorrichtung.

Title (fr)

Mécanisme inverseur pour dispositif de remontage automatique de pièce d'horlogerie.

Publication

EP 0278338 A1 19880817 (FR)

Application

EP 88101299 A 19880129

Priority

CH 41987 A 19870206

Abstract (en)

1. A reversing mechanism for automatic winding of a timepiece by an oscillating mass including a winding wheel (1) coaxially mounted with two ratchet wheels (6, 9) arranged on either face of said winding wheel which bears on each of its faces at least one pawl (14a to 14d) loaded by a spring (15a to 15d) and cooperating respectively with one of the ratchet wheels (6, 9), the assembly thus formed being inserted between the kinematic chain interposed between the oscillating mass (5) and the mainspring barrel of the timepiece, the pawls (14a to 14d) assigned to the transmission of the rotation of said mass (5) being articulately mounted respectively on pivot members (13) fixed to said winding wheel (1), characterized in that the pivot member (13) bearing the pawl (14a or 14b) assigned to one of the directions of rotation of the mass serves at the same time as anchoring member for the spring (15a or 15b) which loads the pawl (14c or 14d) assigned to transmit the other direction of rotation of said mass.

Abstract (fr)

Dans ce mécanisme inverseur, la roue d'armage (1) est montée sur un axe commun (2) avec deux roues à rochet (6, 9) affectées chacune à l'un des sens de pivotement de la masse oscillante. La roue d'armage (1) est traversée par des rivets (13) qui portent respectivement un cliquet (14a, 14c) et un ressort (15a, 15c). Le ressort qui est ainsi monté sur un organe de pivotement (15) d'un cliquet coopérant avec l'une des roues à rochet (6 ou 9), charge le cliquet qui coopère avec l'autre roue à rochet (6 ou 9). Application aux pièces d'horlogerie à remontage automatique du ressort moteur.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] FR 1114120 A 19560409 - TAVANNES WATCH CO SA
- [A] FR 1063393 A 19540503 - GAZDA ANTOINE [US]
- [AD] CH 344370 A 19600131 - MARTEL WATCH CO S A [CH]

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