

Title (en)
MECHANISM FOR DRIVING AN INDICATOR

Title (de)
MECHANISMUS ZUR ANSTEUERUNG EINES INDIKATORS

Title (fr)
MECANISME D'ENTRAINEMENT D'UN INDICATEUR

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Application
EP 12781355 A 20121109

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Abstract (en)
[origin: WO2013068519A1] The invention relates to a mechanism for driving an indicator of information that is connected to a timepiece movement and varies according to a plurality of periods, during each of which said information changes, step by step, to a maximum value that varies between n and $n-m$. Said mechanism includes a drive wheel (8) including a first set of gear teeth (10) arranged such as to advance by n steps per period, m retractable teeth (20, 21, 22) borne by the drive wheel (8), encoding cams corresponding to the retractable teeth (20, 21, 22), each encoding cam corresponding to at least one maximum value $n-x$ of the information, x being between 1 and m , for a period, and a drive means set up such as to provide adequate rotation speed to the encoding cams relative to the drive wheel (8) in such a manner that, when the information reaches a maximum value $n-x$ for a period, x retractable teeth (20, 21, 22) pass in an operative position and then return to an inoperative position, the drive wheel (8) advancing by x additional steps for said period. Each retractable tooth (20, 21, 22) includes a pin (30, 38, 42), and the corresponding encoding cam (26, 32, 34), corresponding to a maximum value $n-x$ of the information, includes a track (28, 36, 40) wherein the pin (30, 38, 42) moves. The track (28, 36, 40) has a configuration that is appropriate for the retractable tooth (20, 21, 22) to remain in the inoperative position thereof in each period for which the maximum value corresponding to the information is a value between $n-x+1$ and n . Said configuration is moreover appropriate for the retractable tooth (20, 21, 22) to change from the inoperative position thereof to the operative position thereof, in each period for which the maximum value corresponding to the information is a value between $n-m$ and $n-x$, and then return to the inoperative position thereof after engaging with said second drive pinion (2).

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