Title (en)

GOVERNED JUMPING DISPLAY MECHANISM IN A TIMEPIECE

Title (de)

SPRINGENDER UND REGULIERTER UHRANZEIGEMECHANISMUS

Title (fr)

MÉCANISME D'AFFICHAGE D'HORLOGERIE SAUTANT ET RÉGULÉ

Publication

EP 3540524 B1 20220216 (FR)

Application

EP 18161514 A 20180313

Priority

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Abstract (en)

[origin: JP2019158878A] To provide a regulated jumping display mechanism for timepieces.SOLUTION: A timepiece display mechanism 1 includes a barrel 10 with a spring between an arbor 41 of a first wheel set 4 driven by a drive wheel set 201, and a drum 3 carrying a peripheral snail 51 cam 5. The cam 5 is traversed by a feeler 6 controlling periodic jumps of a display member 100. This drum 3 carries a peripheral finger 7 outside a trajectory of this feeler 6. The first wheel set 4 includes an eccentric crank pin 42. The eccentric crank pin 42 permanently guides a groove 81 to control periodic back and forth motions of a pivoting anchor piece 8. The anchor piece 8 includes, on either side of an anchor piece axis D8, a beak 83 and a stop 84 for stopping or releasing this finger 7 depending on the angular position of this anchor piece 8. The angular travel of each finger 7 between release of the finger 7 by the beak 83 and return of the finger 7 to abutment on this stop 84 defining the jump duration.SELECTED DRAWING: Figure 1

IPC 8 full level

G04B 19/02 (2006.01); **G04B 19/253** (2006.01)

CPC (source: CN EP US)

G04B 19/02 (2013.01 - EP US); **G04B 19/085** (2013.01 - CN); **G04B 19/202** (2013.01 - CN); **G04B 19/25353** (2013.01 - US); **G04B 19/25393** (2013.01 - EP US)

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