

Title (en)
ROLLER DISPLAY MECHANISM FOR A WATCH

Title (de)
WALZENANZEIGEMECHANISMUS FÜR ARMBANDUHR

Title (fr)
MÉCANISME D'AFFICHAGE À ROULEAU POUR MONTRE

Publication
EP 3627241 A1 20200325 (FR)

Application
EP 19201627 A 20170612

Priority
• EP 16177872 A 20160705
• EP 17175547 A 20170612

Abstract (en)
[origin: JP2018004634A] PROBLEM TO BE SOLVED: To provide a display using rollers, with time indications legible despite a limited diameter of the rollers.SOLUTION: A timepiece display mechanism 100 comprises rollers 10, 11, 12, 13 and 14 pivoting about a main axis and comprising flaps 20, each pivoting about a secondary axis parallel to the main axis and having two faces. The display mechanism also comprises first drive means for pivoting the rollers 10, 11, 12, 13 and 14 about the main axis, and second drive means for pivoting a flap 20 about the secondary axis, in a predetermined position of the secondary axis relative to the main axis. At each flap 20, a drive pinion is included cooperating with control means to modify, sequentially or continuously, the position of the successive flaps 20 of the same rollers 10, 11, 12, 13 and 14 or to modify, on demand, the position of a specific flap 20.SELECTED DRAWING: Figure 1

Abstract (fr)
L'invention concerne un mécanisme d'affichage (100) d'horlogerie, pour une montre comportant un rouleau (10) pivotant autour d'un axe principal (D10) et comportant des volets (20) chacun pivotant autour d'un axe secondaire (D20) parallèle à l'axe principal (D10) et comportant deux faces, des premiers moyens d'entraînement pour faire pivoter le rouleau (10) autour de l'axe principal (D10), et des deuxièmes moyens d'entraînement (32) pour faire pivoter un volet (20) autour de son axe secondaire (D20), dans une position déterminée de cet axe secondaire (D20) par rapport à l'axe principal (D10), et au moins un rouleau (10) comporte au moins une position fixe d'affichage et au moins une position mobile d'affichage par un volet (20) comportant une pluralité de faces (201, 202).

IPC 8 full level
G04B 19/20 (2006.01); **G04B 19/243** (2006.01)

CPC (source: CH CN EP US)
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Citation (applicant)
US 3964428 A 19760622 - ARAI KIYOYUKI

Citation (search report)
• [A] US 3964428 A 19760622 - ARAI KIYOYUKI
• [A] US 2040421 A 19360512 - ALMQUIST FRANK G
• [A] FR 2220840 A1 19741004 - GEN ELECTRIC [US]
• [A] FR 1602382 A 19701116

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