

Title (en)  
ROLLER DISPLAY MECHANISM FOR A WATCH

Title (de)  
WALZENANZEIGEMECHANISMUS FÜR ARMBANDUHR

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

Publication  
**EP 3627240 A1 20200325 (FR)**

Application  
**EP 19201625 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 (1000), comportant un rouleau (10, 11, 12, 13, 14) pivotant autour d'un axe principal et comportant des volets (20) chacun pivotant autour d'un axe secondaire parallèle à l'axe principal et comportant deux faces, des premiers moyens d'entraînement pour faire pivoter le rouleau (10, 11, 12, 13, 14) autour de l'axe principal, et des deuxièmes moyens d'entraînement pour faire pivoter un volet (20) autour de son axe secondaire, dans une position déterminée de cet axe secondaire par rapport à l'axe principal (D10), et les deuxièmes moyens d'entraînement sont agencés pour faire pivoter de façon synchrone chaque volet (20) que comporte un rouleau (10, 11, 12, 13, 14).

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)  
• [XAY] JP S5393260 U 19780729  
• [YA] US 2040421 A 19360512 - ALMQUIST FRANK G  
• [Y] EP 2985660 A1 20160217 - ROLEX SA [CH]

Designated contracting state (EPC)  
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