

Title (en)

VARIABLE GEOMETRY TIMEPIECE DISPLAY MECHANISM WITH ELASTIC NEEDLE

Title (de)

UHR-ANZEIGEMECHANISMUS MIT VARIABLER GEOMETRIE UND ELASTISCHEM ZEIGER

Title (fr)

MECANISME D'AFFICHAGE D'HORLOGERIE A GEOMETRIE VARIABLE AVEC AIGUILLE ELASTIQUE

Publication

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Application

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Abstract (en)

[origin: WO2020025423A1] Disclosed is a variable timepiece display mechanism (10) comprising an elastic hand (1) with a drive barrel (2) secured to a single-piece flexible blade (3) comprising flexible segments (5; 5A; 5B) adjoining at apexes (6), a first (5A) of said segments extending between the first barrel (2) and a first apex (6), the mechanism (10) further comprising drive means (11) for pivoting the barrel (2), and means (12) for stressing the first flexible segment (5) in order to vary the position of the first apex (6) relative to the output pin (D) according to the forces applied to the flexible blade (3), said drive means (11) and/or said stressing means (12) comprising a first gear train (111) having a particular shape and/or a second gear train (131) having a particular shape for accelerating, stabilizing the speed of, or decelerating at least the barrel (2) over part of its angular travel.

IPC 8 full level

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CPC (source: CN EP US)

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