

Title (en)  
ADJUSTING ELEMENT OF A TIMEPIECE WITH FLEXIBLE GUIDE PROVIDED WITH A MEANS FOR COMPENSATING TEMPERATURE

Title (de)  
REGULIERORGAN FÜR UHRWERK MIT FLEXIBLER FÜHRUNG UND TEMPERATURAUSGLEICHSMITTELN

Title (fr)  
ORGANE RÉGLANT D'HORLOGERIE A GUIDAGE FLEXIBLE MUNI DE MOYENS DE COMPENSATION DE LA TEMPÉRATURE

Publication  
**EP 4310599 A1 20240124 (FR)**

Application  
**EP 22186291 A 20220721**

Priority  
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Abstract (en)  
[origin: CN117434813A] The invention relates to a component (1) for a timepiece movement, comprising a swinging mass, such as a balance wheel, and a flexible guide having at least two main flexible blades (9) connecting a movable carrier (3) to the swinging mass in order to make the swinging mass rotate about a virtual pivot, characterized in that the movable carrier (3) is supported by the flexible guide (9) and the movable carrier (3) is supported by the flexible guide (9). The adjusting member (1) comprises elastic means (50) for compensating for the temperature, arranged to connect the movable bracket (3) to fixing means (7) for fixing the adjusting member (1) on the timepiece movement, said elastic compensation means (50) being configured to adjust its stiffness as a function of the temperature in order to compensate for the influence of the temperature on the adjusting member (1). The invention also relates to a timepiece movement comprising such an adjusting member (1).

Abstract (fr)  
L'invention concerne un organe réglant (1) pour mouvement d'horlogerie comprenant une masse oscillante, par exemple un balancier, un guidage flexible (2) comprenant au moins deux lames flexibles principales (9) reliant un support mobile (3) à la masse oscillante pour permettre à la masse oscillante d'effectuer un mouvement rotatif autour d'un pivot virtuel, caractérisé en ce que l'organe réglant (1) comprend un dispositif élastique de compensation (50) de la température agencé de manière à relier le support mobile (3) à des moyens de fixation (7) de l'organe réglant (1) sur le mouvement d'horlogerie, le dispositif élastique de compensation (50) étant configuré pour adapter sa raideur en fonction de la température afin de compenser l'effet de la température sur l'organe réglant (1). L'invention concerne aussi un mouvement d'horlogerie comprenant un tel organe réglant (1).

IPC 8 full level  
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Citation (applicant)  
• EP 2911012 A1 20150826 - SUISSE ELECTRONIQUE MICROTECH [CH]  
• EP 14199039 A 20141218  
• EP 16155039 A 20160210  
• CH 704687 A1 20120928 - LVMH SWISS MFT SA [CH]

Citation (search report)  
• [XA] CH 716434 A2 20210129 - ETA SA MFT HORLOGERE SUISSE [CH]  
• [X] CH 716725 A2 20210430 - SWATCH GROUP RES & DEV LTD [CH]

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