Title (en)

THERMOCOMPENSATED HOROLOGY RESONATOR AND METHOD FOR PRODUCING SUCH A RESONATOR

Title (de)

THERMOKOMPENSIERTE RESONATOR FÜR UHRWERK UND VERFAHREN ZUR HERSTELLUNG EINER SOLCHEN RESONATOR

Title (fr)

RÉSONATEUR HORLOGER THERMOCOMPENSÉ ET MÉTHODE POUR RÉALISER UN TEL RÉSONATEUR

Publication

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Application

EP 16728737 A 20160608

Priority

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Abstract (en)

[origin: WO2016199039A1] The invention relates to a resonator that is intended for equipping a timepiece control member and comprises a body (1) that is used when deformed. The body (1) is made of a glass material having a first thermoelastic coefficient (β1). Said glass material comprises a portion (3) that is locally modified such that said modified portion (3) has a second thermoelastic coefficient (02) that is different from the first thermoelastic coefficient (01), such that the resonator is temperature-compensated. The present invention also relates to a method for manufacturing said resonator. The invention also relates to a balance spring made of a material that is not necessarily glass but that is transparent at laser wavelengths.

IPC 8 full level

G04B 17/22 (2006.01)

CPC (source: EP)

G04B 17/227 (2013.01)

Citation (examination)

- EP 2597536 A1 20130529 - SUISSE ELECTRONIQUE MICROTECH [CH]
- EP 1791039 A1 20070530 - SWATCH GROUP RES & DEV LTD [CH]

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