

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

**EP 3304216 A1 20180411 (FR)**

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 ( $\beta_1$ ). Said glass material comprises a portion (3) that is locally modified such that said modified portion (3) has a second thermoelastic coefficient ( $\beta_2$ ) that is different from the first thermoelastic coefficient ( $\beta_1$ ), 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

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CPC (source: EP)

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Citation (search report)

See references of WO 2016199039A1

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