

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

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Application

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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 (β_1). Said glass material comprises a portion (3) that is locally modified such that said modified portion (3) has a second thermoelastic coefficient (β_2) that is different from the first thermoelastic coefficient (β_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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