

ABSTRACT

SPIRAL SPRING MADE OF ATHERMAL GLASS FOR CLOCKWORK MOVEMENT
AND METHOD FOR MAKING SAME

The balance spring is made from a photostructurable glass plate by UV irradiation, thermal treatment and etching, said glass having a Young's modulus thermal coefficient CTE_0 . The value CTE_0 of selected zones of the balance spring are altered to a value CTE_i by UV irradiation through one or several masks, possibly completed by a thermal treatment.

Figures 1 and 6