

Title (en)

METHOD FOR MANUFACTURING A TIMEPIECE MAINSPRING OF SILICIUM BASED MATERIAL

Title (de)

HERSTELLUNGSVERFAHREN EINER ZUGFEDER AUS SILIZIUM FÜR EINE UHR

Title (fr)

PROCÉDÉ DE FABRICATION D'UN RESSORT HORLOGER À BASE DE SILICIUM

Publication

**EP 3781992 B1 20220504 (FR)**

Application

**EP 18836894 A 20181218**

Priority

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- IB 2018060218 W 20181218

Abstract (en)

[origin: WO2019202378A1] The method for manufacturing a timepiece spring according to the invention comprises the following steps: producing, using silicon, a part having the desired shape of the timepiece spring; thermally oxidizing the part; deoxidizing the part; carrying out an annealing of the part in a reducing atmosphere; forming a silicon oxide layer on the part.

IPC 8 full level

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CPC (source: EP US)

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