

Title (en)
Method for manufacturing a timepiece

Title (de)
Herstellungsverfahren eines Uhrwerks

Title (fr)
Procédé de réalisation d'une pièce d'horlogerie

Publication
EP 2579105 A3 20130807 (FR)

Application
EP 11192182 A 20111206

Priority
CH 16472011 A 20111007

Abstract (en)
[origin: EP2579105A2] The method involves providing a spiral spring (12) and a plate (14) that is provided with a finger (15) cooperating with a fork of an exhaust. The spring is positioned and indexed in reference to the finger to assemble the spring and the plate with each other by welding fusion to form a spiral spring and plate assembly (10), where the assembly does not comprise an intercalated beam. The spring and the plate are formed of silicon. The fusion is carried out at temperature ranging between 100 and 1200 degrees Celsius and a pressure ranging between 0.5 and 10 bars.

IPC 8 full level
G04B 17/06 (2006.01); **G04B 17/32** (2006.01)

CPC (source: EP)
G04B 17/066 (2013.01); **G04B 17/32** (2013.01)

Citation (search report)

- [X] FR 2234592 A1 19750117 - TISSOT HORLOGERIE [CH]
- [X] EP 2322996 A1 20110518 - NIVAROX SA [CH]
- [E] EP 2570868 A1 20130320 - PATEK PHILIPPE SA GENEVE [CH]

Cited by
CN109870891A; US11429065B2; EP3495894B1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2579105 A2 20130410; EP 2579105 A3 20130807

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EP 11192182 A 20111206