

Title (en)

CALENDER AND METHOD FOR CALENDERING A TIMEPIECE BARREL SPRING

Title (de)

KALANDER UND KALANDRIERVERFAHREN EINER SCHLIESSZYLINDERFEDER EINER UHR

Title (fr)

CALANDRE ET PROCEDE DE CALANDRAGE DE RESSORT DE BARILLET D'HORLOGERIE

Publication

EP 3255510 B1 20190605 (FR)

Application

EP 16173898 A 20160610

Priority

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Abstract (en)

[origin: JP2017217697A] PROBLEM TO BE SOLVED: To press-roll a spring that operates reliably.SOLUTION: There is provided a method for press-rolling a mainspring from a wire 1 comprising a pre-formed eye. A roller press 20 comprising first support and guide means 10 exerting a force F on the wire in a first contact area A located between a second contact area B in second support and guide means 12 and a third contact area C in third support and guide means 13 is utilized to wind, in an area beyond the eye, an accumulation area with a curvature opposite to that of the eye as the wire advances. The position of the first contact area is gradually moved away from the second and third contact areas, so as to vary the press-rolling radius from a minimum first value R1 to a maximum second value R2 at a neck junction between the accumulation area and the eye.SELECTED DRAWING: Figure 4

IPC 8 full level

G04B 1/14 (2006.01); **B21F 3/08** (2006.01); **B21F 35/02** (2006.01); **G04D 3/00** (2006.01)

CPC (source: CN EP RU US)

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