

Title (en)
Spiral spring for mechanical clockwork

Title (de)
Spiralfeder für mechanisches Uhrwerk

Title (fr)
Spiral pour mouvement d'horlogerie mécanique

Publication
EP 1605323 A3 20060712 (FR)

Application
EP 05405216 A 20050301

Priority
CH 6522004 A 20040413

Abstract (en)
[origin: EP1605323A2] The hairspring has a peripheral exterior curve (10) situated in a plane of the hairspring and has a specific rigidity, such that a central part (14) of a curve-hairspring assembly is constituted of concentric displacements during its oscillation. The curve presents elbows (16-18) for centering a central part of the assembly during the assembly operation in a watch movement.

IPC 8 full level
G04B 17/06 (2006.01)

CPC (source: EP)
G04B 17/066 (2013.01)

Citation (search report)
• [DX] CH 327796 A 19580215 - HORLOGERIE SUISSE S A ASUAG [CH], et al
• [PX] EP 1473604 A1 20041103 - PATEK PHILIPPE SA [CH]
• [XA] US 209642 A 18781105
• [A] BE 526689 A

Cited by
EP2105807A1; JP2009244266A; CN110967959A; CH706087A1; EP2017681A1; CN110275420A; CH708429A1; EP2869138A3; EP2184652A1; EP2184653A1; EP2196868A1; CN103645622A; US11619910B2; EP2869138A2; EP2138912A1; US11415946B2; US8322914B2; US7950847B2; US8215828B2; TWI477932B; US8296953B2; US8622611B2; JP2009533917A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1605323 A2 20051214; EP 1605323 A3 20060712

DOCDB simple family (application)
EP 05405216 A 20050301