

Title (en)
Barrel spring of a timepiece

Title (de)
Schließzylinderfeder für eine Uhr

Title (fr)
Ressort de barillet de pièce d'horlogerie

Publication
EP 2447387 A1 20120502 (FR)

Application
EP 11186578 A 20111025

Priority
• CH 17992010 A 20101028
• CH 2632011 A 20110215

Abstract (en)
The spring barrel for a timepiece, is claimed. The spring is made of a metal alloy including nitrogen in a proportion of 0.75-1 wt.%, and iron. A ratio of an interior diameter of eye and a thickness of plate is less than 12. An independent claim is included for a timepiece.

Abstract (fr)
La présente invention concerne un ressort de barillet de pièce d'horlogerie caractérisé en ce qu'il est réalisé en un alliage métallique comportant de l'azote dans une proportion comprise entre 0.1% massique et la limite de sa solubilité dans l'alliage métallique, et du fer.

IPC 8 full level
C22C 38/00 (2006.01); **C22C 38/04** (2006.01); **C22C 38/22** (2006.01); **C22C 38/26** (2006.01); **C22C 38/38** (2006.01); **F16F 1/10** (2006.01); **G04B 17/06** (2006.01); **G04B 37/14** (2006.01)

CPC (source: EP)
C22C 38/001 (2013.01); **C22C 38/22** (2013.01); **C22C 38/38** (2013.01); **G04B 1/145** (2013.01)

Citation (search report)
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• [A] CH 551492 A 19740715 - STRAUMANN REINHARD INST DR ING
• [A] JP 2004308827 A 20041104 - SII MICRO PARTS LTD
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Designated contracting state (EPC)
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