

Title (en)  
Horological hairspring with concentric development

Title (de)  
Spiralfeder für Uhrwerk mit konzentrischer Entwicklung

Title (fr)  
Spiral d'horlogerie à développement concentrique

Publication  
**EP 2138912 B1 20120704 (FR)**

Application  
**EP 08011404 A 20080624**

Priority  
EP 08011404 A 20080624

Abstract (en)  
[origin: EP2138912A1] The hairspring has a plane central part (10) extended from an interior point (11) to an exterior point (12), and a movable attaching unit (13) maintaining concentric spires of the part, during oscillations of the hairspring in a timepiece movement. The unit has flexible terminating peripheral curves (14, 15), e.g. blade or blade portion, located in a plane of the central part. The curves are separately extended from the exterior point to end points (16, 17), respectively, where the end points e.g. attachment points, are fixed to a frame. An independent claim is also included for a timepiece movement comprising a frame.

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

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

Cited by  
EP4357858A1; EP4357857A1

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

DOCDB simple family (publication)  
**EP 2138912 A1 20091230; EP 2138912 A8 20100224; EP 2138912 B1 20120704**

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