

Title (en)  
Luminour hairspring

Title (de)  
Leuchtende Spiralfeder

Title (fr)  
Spiral lumineux

Publication  
**EP 2717103 B1 20170111 (FR)**

Application  
**EP 12187216 A 20121004**

Priority  
EP 12187216 A 20121004

Abstract (en)  
[origin: EP2717103A1] The element (1) has a balance (2), a balance coq (3), and a hairspring (4) secured between the balance and the balance coq. The hairspring transmits and diffuses light emitted by a light energy source (5), where the hairspring is formed from quartz, glass, ceramic or material partially transparent to visible and/or UV wavelengths or a partially amorphous material. The balance coq carries the source near an external end (6) of the hair spring. The balance carries the light energy source near an internal end (7) of the hair spring. An independent claim is also included for a mechanical clockwork movement.

IPC 8 full level  
**G04B 17/06** (2006.01); **G04B 45/00** (2006.01); **G04B 45/02** (2006.01)

CPC (source: EP US)  
**G04B 17/06** (2013.01 - EP US); **G04B 17/066** (2013.01 - EP); **G04B 17/066** (2013.01 - US); **G04B 45/0007** (2013.01 - EP US);  
**G04B 45/02** (2013.01 - EP US)

Cited by  
EP3722887A1; EP3002635A1; EP3226084A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 2717103 A1 20140409; EP 2717103 B1 20170111**; CN 104704431 A 20150610; CN 104704431 B 20170301; HK 1210637 A1 20160429;  
JP 2015534071 A 20151126; JP 5918449 B2 20160518; RU 2596097 C1 20160827; US 2015261187 A1 20150917; US 9188958 B2 20151117;  
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JP 2015534954 A 20130920; RU 2015116873 A 20130920; US 201314430646 A 20130920