

Title (en)  
OSCILLATOR WITH ROTARY DETENT

Title (de)  
OSZILLATOR MIT ROTIERENDEM GESPERR

Title (fr)  
OSCILLATEUR A DETENTE TOURNANTE

Publication  
**EP 3147725 B1 20180404 (FR)**

Application  
**EP 15187214 A 20150928**

Priority  
EP 15187214 A 20150928

Abstract (en)  
[origin: US2017090422A1] The invention relates to an oscillator comprising a pivoting staff connected to a mechanical energy source, an inertia-elasticity resonator formed in one piece, which is mounted on the pivoting staff, a detent escapement comprising a single-piece detent fixed to the pivoting staff, which comprises at least one flexible blade and a stop member arranged to elastically lock the pivoting staff in relation to a concentric escapement toothing, wherein the release element is arranged to elastically unlock the stop member in relation to the concentric escapement toothing, by the movement of the member forming the inertia, so that the pivoting staff counts each oscillation of the resonator while transmitting to it the energy able to maintain it.

IPC 8 full level  
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**G04B 17/02** (2013.01 - US); **G04B 17/04** (2013.01 - CN KR); **G04B 17/285** (2013.01 - EP US); **G04B 15/06** (2013.01 - US);  
**G04B 17/045** (2013.01 - EP US); **G04B 17/26** (2013.01 - EP US)

Cited by  
EP3637196A1; CH715438A1; US11397408B2

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DOCDB simple family (publication)  
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JP 6243496 B2 20171206; KR 101944586 B1 20190131; KR 20170037823 A 20170405; TW 201723690 A 20170701; TW I713564 B 20201221;  
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TW 105125184 A 20160808; US 201615228684 A 20160804