

Title (en)  
METHOD FOR BALANCING A CLOCKWORK BALANCE WHEEL-HAIRSPRING ASSEMBLY

Title (de)  
VERFAHREN ZUR AUSWUCHTEN EINER SPIRALUNRUH-EINHEIT FÜR UHRWERK

Title (fr)  
MISE D'INERTIE OU D'ÉQUILIBRAGE D'UN ENSEMBLE BALANCIER-SPIRAL D'HORLOGERIE

Publication  
**EP 2917792 A1 20150916 (FR)**

Application  
**EP 13782685 A 20131022**

Priority  
• EP 12191481 A 20121106  
• EP 2013072011 W 20131022  
• EP 13782685 A 20131022

Abstract (en)  
[origin: EP2728423A1] The assembly (1) has a balance wheel (2) pivoting around a pivoting axis (D) and a hair spring (3) comprising an inner turn (4) fixed to the wheel or to a ring (5) mounted to the spring. An outer turn (6) is fixed at a stud (7) to maintain the turn at a plate or balance coq. The wheel has a peripheral surface (20) at a distance from any point of the spring at value greater than variation (E1) to prevent modification of characteristics of the hairspring during resumption of machining of the hairspring on the surface for setting inertia or/and balancing of the wheel on the assembly. Independent claims are also included for the following: (1) an oscillator mechanism (2) a method for setting inertia or/and balancing a balance wheel on clockwork balance wheel-hairspring assembly.

IPC 8 full level  
**G04B 17/06** (2006.01); **G04D 7/08** (2006.01)

CPC (source: EP US)  
**G04B 17/06** (2013.01 - EP US); **G04D 7/087** (2013.01 - EP US); **Y10T 29/49581** (2015.01 - EP US)

Citation (search report)  
See references of WO 2014072168A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2728423 A1 20140507**; CN 104769512 A 20150708; CN 104769512 B 20180116; EP 2917792 A1 20150916; EP 2917792 B1 20170705; HK 1212051 A1 20160603; JP 2015537204 A 20151224; JP 5925392 B2 20160525; TW 201441776 A 20141101; TW I610152 B 20180101; US 10114341 B2 20181030; US 2015268632 A1 20150924; WO 2014072168 A1 20140515; WO 2014072168 A4 20140703

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