

Title (en)  
DEVICE FOR FINE ADJUSTMENT OF A SPRUNG BALANCE

Title (de)  
FEINREGULIERUNGSVORRICHTUNG FÜR EINE UNRUH-SPIRALFEDER

Title (fr)  
DISPOSITIF DE REGLAGE POUR BALANCIER-SPIRAL

Publication  
**EP 1576426 A2 20050921 (FR)**

Application  
**EP 03767732 A 20031203**

Priority

- EP 03767732 A 20031203
- EP 0313647 W 20031203
- EP 02080621 A 20021219

Abstract (en)  
[origin: EP1437634A1] The device comprises two screws (19, 29) which are fixed in the cock (10) and in the regulator (20) respectively so as to maneuver clamps, using L-shaped rocking members (13, 23), in order to fix the end of the hairspring and define the working length, and a screw (9) which can be used to block the regulator (20) in a determined position, the three screws (9, 19, 29) enabling a fine adjustment to be performed. The device is intended for the fine adjustment of a balance wheel/hairspring. In order to adjust the isochronism or put into beat, in addition to the balancing screws (2a, 2b) of the balance (1) and the fine adjustment screw (7) resting on the regulator tail (20a) such as to modify the orientation of the regulator (20).

IPC 1-7  
**G04B 17/06**

IPC 8 full level  
**G04B 18/00** (2006.01); **G04B 17/06** (2006.01); **G04B 18/02** (2006.01)

CPC (source: EP US)  
**G04B 18/023** (2013.01 - EP US)

Citation (search report)  
See references of WO 2004057427A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1437634 A1 20040714**; AT E470177 T1 20100615; AU 2003292177 A1 20040714; AU 2003292177 A8 20040714; CN 100462873 C 20090218; CN 1726436 A 20060125; DE 60332870 D1 20100715; EP 1576426 A2 20050921; EP 1576426 B1 20100602; HK 1082971 A1 20060623; JP 2006510887 A 20060330; JP 4409443 B2 20100203; US 2006062088 A1 20060323; US 7059764 B2 20060613; WO 2004057427 A2 20040708; WO 2004057427 A3 20041125

DOCDB simple family (application)  
**EP 02080621 A 20021219**; AT 03767732 T 20031203; AU 2003292177 A 20031203; CN 200380106516 A 20031203; DE 60332870 T 20031203; EP 0313647 W 20031203; EP 03767732 A 20031203; HK 06102727 A 20060302; JP 2004561210 A 20031203; US 53900705 A 20050615