

Title (en)  
MECHANICAL OSCILLATOR FOR A TIMEPIECE MOVEMENT

Title (de)  
MECHANISCHER OSZILLATOR FÜR EIN UHRWERK

Title (fr)  
OSCILLATEUR MECANIQUE POUR MOUVEMENT HORLOGER

Publication  
**EP 2987035 B1 20170322 (FR)**

Application  
**EP 14718023 A 20140404**

Priority  
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• EP 2014056883 W 20140404

Abstract (en)  
[origin: WO2014170147A2] The present invention concerns a mechanical oscillator (1), for a timepiece movement, comprising a balance (14) combined with a spiral spring (16), and a balance bridge (2) carrying a bush (8) in which there pivots one end of a balance shaft (12), to which said balance (14) and a first end of the spiral spring (16) are rigidly connected, a support (18) for holding the second end of the spiral spring (16), and a protection cage (26, 126) for protecting the spiral spring (16) comprising a substantially planar first face (28), rigidly connected to the balance bridge (2), and a substantially cylindrical wall (32) arranged at the periphery of the spiral spring (16). The protection cage (26, 126) is open on the second face (30), positioned facing the balance (14), and has first and second openings (34, 36) provided in the first face (28) to define respective passages for the balance shaft (12) and for the support (18).

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CPC (source: EP)  
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