

Title (en)

Barrel for automatically winding timepiece

Title (de)

Federhaus für Uhren mit automatischer Aufziehfunktion

Title (fr)

Barillet pour pièce d'horlogerie à remontage automatique

Publication

**EP 2420899 B1 20181219 (FR)**

Application

**EP 10173354 A 20100819**

Priority

EP 10173354 A 20100819

Abstract (en)

[origin: EP2420899A1] The barrel (1) has a circular drum (10) including an inner side wall (11) whose friction surfaces (12) rotate with blocking structures forming round and square active projecting corners (15a, 15b) or an active returning corner at edges of the surfaces, where the structures are formed of notches (13). A drive spring (20) forms a coil comprising an outer turn (21). The spring is frictionably coupled with the wall, and freely slides against the wall in case of overtension of the spring. The surfaces are limited at downstream side with respect to a turn sliding direction by the round corner. An independent claim is also included for a timepiece comprising an automatic winding movement.

IPC 8 full level

**B04B 5/02** (2006.01); **G04B 1/16** (2006.01); **G04B 1/18** (2006.01)

CPC (source: EP US)

**B04B 5/02** (2013.01 - US); **G04B 1/16** (2013.01 - US); **G04B 1/18** (2013.01 - US); **G04B 1/185** (2013.01 - EP US)

Citation (examination)

- JP S48104363 U 19731205
- JP S4910573 U 19740129
- JP S49135654 A 19741227
- JP S5448798 U 19790404

Cited by

EP2977827A1; US9513601B2; EP3220206A1; US10222745B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2420899 A1 20120222; EP 2420899 B1 20181219**; CN 102375398 A 20120314; CN 102375398 B 20140319; HK 1168428 A1 20121228; JP 2012042469 A 20120301; JP 2016075701 A 20160512; JP 5877668 B2 20160308; JP 6138899 B2 20170531; US 2012044789 A1 20120223; US 8573832 B2 20131105

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