

Title (en)

Winding crown for mechanical timepiece

Title (de)

Aufzugskrone für mechanische Uhr

Title (fr)

Couronne de remontage pour pièce d'horlogerie mécanique

Publication

EP 1513028 A2 20050309 (FR)

Application

EP 04005384 A 20040306

Priority

CH 14942003 A 20030901

Abstract (en)

The crown has a torque limitation device with a driving ring (2) and a transversal roller (30) for controlling torsion of a mainspring of a clock piece. The ring has multiple cavities (20) with springs (22) and associated friction units (24). Each friction unit is pushed, by its respective spring, against the roller parallel to an axis (4) of the crown. The cavities are regularly distributed around the axis of the crown. An independent claim is also included for a mechanical clock piece with a winding crown.

Abstract (fr)

Une couronne de remontage pour pièce d'horlogerie mécanique comprend un dispositif de limitation de couple comprenant une bague d'entraînement (2) et un plateau entraîné (30) commandant la torsion du ressort moteur de la pièce d'horlogerie, la bague (2) comprenant plusieurs cavités (20) logeant chacune un ressort (22) et un organe de friction associé (24), chaque organe de friction (24) étant poussé par son ressort respectif (22) contre le plateau (30) parallèlement à l'axe (4) de la couronne.

IPC 1-7

G04B 3/06; G04B 37/10; G04B 3/04

IPC 8 full level

G04B 3/06 (2006.01); **G04B 3/04** (2006.01); **G04B 37/10** (2006.01)

CPC (source: EP)

G04B 3/041 (2013.01); **G04B 3/06** (2013.01); **G04B 37/10** (2013.01)

Citation (applicant)

- US 352257 A 18861109
- FR 917982 A 19470127

Cited by

EP1566708A3; CN112882371A; US11366428B2

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 1513028 A2 20050309; **EP 1513028 A3 20100519**; **EP 1513028 B1 20120801**; CH 696823 A5 20071214; DE 04005384 T1 20050818; HK 1070699 A1 20050624

DOCDB simple family (application)

EP 04005384 A 20040306; CH 14942003 A 20030901; DE 04005384 T 20040306; HK 05103188 A 20050414