

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 B1 20120801 (FR)

Application
EP 04005384 A 20040306

Priority
CH 14942003 A 20030901

Abstract (en)
[origin: EP1513028A2] 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.

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)

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