

Title (en)  
Mechanical winding device for a watch

Title (de)  
Mechanische Aufziehvorrichtung für eine Armbanduhr

Title (fr)  
Dispositif de remontage mécanique pour une montre

Publication  
**EP 3032347 B1 20170614 (FR)**

Application  
**EP 14197193 A 20141210**

Priority  
EP 14197193 A 20141210

Abstract (en)  
[origin: US2016170373A1] An automatic winding device for a spring of a watch movement including a weight fixed on a support via a bearing including a ring which drives, in only one direction of rotation called the winding direction, a transmission gear in order to wind the mainspring, this winding device wherein, on the one hand, the bearing is of the one-way type and blocks the rotation of the weight in the opposite direction to the winding direction, called the blocking direction and wherein, on the other hand, the device includes a means for decoupling the weight from said bearing in at least the blocking direction when the weight exerts on the bearing a torque higher than a desired value.

IPC 8 full level  
**G04B 5/12** (2006.01); **G04B 5/19** (2006.01); **G04B 5/24** (2006.01)

CPC (source: CN EP US)  
**G04B 5/12** (2013.01 - EP US); **G04B 5/19** (2013.01 - CN); **G04B 5/24** (2013.01 - EP US); **G04B 11/003** (2013.01 - EP US);  
**G04B 11/028** (2013.01 - EP US)

Cited by  
EP3772673A1; CN112346325A; US11774911B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3032347 A1 20160615; EP 3032347 B1 20170614**; CN 105700323 A 20160622; CN 105700323 B 20180518; HK 1225815 B 20170915;  
JP 2016114599 A 20160623; JP 6100875 B2 20170322; US 2016170373 A1 20160616; US 9400488 B2 20160726

DOCDB simple family (application)  
**EP 14197193 A 20141210**; CN 201510900450 A 20151209; HK 16114155 A 20161213; JP 2015228602 A 20151124;  
US 201514937996 A 20151111