

Title (en)
MEANS OF PREVENTING A SCROLL SPRING FROM BEING PULLED OUT OF A HOUSING

Title (de)
AUSZUGSSICHERUNG EINER ROLLFEDER AUS EINEM GEHÄUSE

Title (fr)
BUTÉE ANTIRETRAIT D'UN RESSORT ENROULE HORS D'UN BOITIER

Publication
EP 1945065 B1 20090930 (DE)

Application
EP 05816544 A 20051110

Priority
DE 2005002024 W 20051110

Abstract (en)
[origin: WO2007054042A1] The invention provides a means of preventing a scroll spring from being pulled out of a housing, the means having a strip-like scroll spring which is mounted in a wound-up state in the housing and can be pulled out of an outlet gap of the housing, which has internal dimensions corresponding to the width of the scroll spring, being straightforward and cost-effective to produce and ensuring functional capability after the scroll spring has been pulled all the way out, this being achieved in that the scroll spring (1) has a recess (2) in the region of its end, a latching protuberance (4; 14) is arranged in the housing (3) and the scroll spring (1) slides, over the extent of its functional length, over a sliding surface (5; 15) of this latching protuberance (4; 14), which engages in the recess (2) in the region of the end of the scroll spring (1) and prevents the scroll spring (1) from being pulled all the way out of the housing (3).

IPC 8 full level
A47F 1/12 (2006.01)

CPC (source: EP)
A47F 1/126 (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007054042 A1 20070518; AT E444008 T1 20091015; DE 112005003811 A5 20081023; DE 502005008259 D1 20091112;
EP 1945065 A1 20080723; EP 1945065 B1 20090930; ES 2333450 T3 20100222; PL 1945065 T3 20100331; PT 1945065 E 20091221

DOCDB simple family (application)
DE 2005002024 W 20051110; AT 05816544 T 20051110; DE 112005003811 T 20051110; DE 502005008259 T 20051110;
EP 05816544 A 20051110; ES 05816544 T 20051110; PL 05816544 T 20051110; PT 05816544 T 20051110