Title (en)

SPRING ARRANGEMENT FOR CONTROLLING THE RIDE IN A VEHICLE

Title (de)

FEDERANORDNUNG ZUR NIVEAUREGULIERUNG IN EINEM FAHRZEUG

Title (fr)

SYSTÈME AMORTISSEUR POUR LA RÉGULATION DE NIVEAU DANS UN VÉHICULE

Publication

EP 2483125 B1 20161123 (DE)

Application

EP 10762633 A 20100922

Priority

- DE 102009043488 A 20090930
- EP 2010063993 W 20100922

Abstract (en)

[origin: CA2775957A1] The invention relates to a spring arrangement for supporting a car body on a suspension of a vehicle for regulating the level thereof, in particular of a railway vehicle, having a spring device (105) and an actuator device (107), wherein the spring device (105) takes up a first installation space, the actuator device (107) takes up a second installation space, the spring device (105) and the actuator device (107) being connected to each other in an operational direction in a kinematically serial arrangement, and the actuator device (107) being designed for at least partially compensating for a change in length of the spring device (105) in the operational direction by displacing an actuator component (107 2) in the operational direction, and wherein the first installation space and the second installation space overlap each other in the operational direction in an overlap region. The invention further relates to a vehicle having such a spring arrangement.

IPC 8 full level

B61F 5/14 (2006.01)

CPC (source: EP US)

B61F 5/02 (2013.01 - EP US); **B61F 5/14** (2013.01 - EP US)

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 202009015029 U1 20100429; AT 11132 U1 20100515; AU 2010303108 A1 20120510; AU 2010303108 B2 20150521; CA 2775957 A1 20110407; CA 2775957 C 20180213; CN 102639381 A 20120815; CN 102639381 B 20150415; DE 102009043488 A1 20110505; EP 2483125 A2 20120808; EP 2483125 B1 20161123; FR 2950569 A3 20110401; FR 2950569 B3 20110923; LT 2483125 T 20170210; PL 2483125 T3 20170731; PT 2483125 T 20170213; US 2012240818 A1 20120927; US 8899159 B2 20141202; WO 2011039092 A2 20110407; WO 2011039092 A3 20111013; WO 2011039092 A9 20110818

DOCDB simple family (application)

DE 202009015029 U 20090930; AT 6992009 U 20091106; AU 2010303108 A 20100922; CA 2775957 A 20100922; CN 201080051003 A 20100922; DE 102009043488 A 20090930; EP 10762633 A 20100922; EP 2010063993 W 20100922; FR 0905442 A 20091112; LT 10762633 T 20100922; PL 10762633 T 20100922; PT 10762633 T 20100922; US 201013499147 A 20100922