

Title (en)
ELASTOMER SPRING, ESPECIALLY FOR RAIL VEHICLES

Title (de)
ELASTOMERFEDER, INSBESONDERE FÜR SCHIENENFAHRZEUGE

Title (fr)
RESSORT ELASTOMERE, EN PARTICULIER POUR VEHICULES SUR RAILS

Publication
EP 1511950 A1 20050309 (DE)

Application
EP 03740032 A 20030524

Priority

- DE 0301682 W 20030524
- DE 10226166 A 20020612

Abstract (en)
[origin: WO03106858A1] The invention relates to an elastomer spring (1), especially for rail vehicles, comprising at least one metallic or plastic core (2), one outer sleeve (3) also consisting of metal or plastic, a pad (4) which consists of an elastomer material or is in the form of a leaf spring that is arranged between the core (2) and the outer sleeve (3), and a bottom chamber (11) which is formed below a core shift (H). The inventive elastomer spring (1) has a plurality of stages in the vertical direction X, and consists of at least one first spring (I) and one second spring (II), a chamber (7) being respectively arranged between two springs.

IPC 1-7
F16F 3/087

IPC 8 full level
F16F 1/393 (2006.01); **F16F 3/087** (2006.01); **F16F 13/06** (2006.01)

CPC (source: EP US)
F16F 1/3935 (2013.01 - EP US); **F16F 3/087** (2013.01 - EP US); **F16F 13/06** (2013.01 - EP US); **B60G 2202/1422** (2013.01 - EP US); **B60G 2202/242** (2013.01 - EP US); **B60G 2300/10** (2013.01 - EP US)

Citation (search report)
See references of WO 03106858A1

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

DOCDB simple family (publication)
WO 03106858 A1 20031224; DE 10323528 A1 20040108; EP 1511950 A1 20050309; US 2004173955 A1 20040909; US 6953187 B2 20051011

DOCDB simple family (application)
DE 0301682 W 20030524; DE 10323528 A 20030524; EP 03740032 A 20030524; US 48663004 A 20040211