

Title (en)
Suspension device for a railway vehicle

Title (de)
Federungsvorrichtung für ein Schienenfahrzeug

Title (fr)
Dispositif de suspension pour un véhicule ferroviaire

Publication
EP 0855327 A3 20000329 (DE)

Application
EP 98101055 A 19980122

Priority
DE 19702947 A 19970128

Abstract (en)
[origin: EP0855327A2] The suspension has a rubber scroll spring with rubber ring (4), positioned on a mandrel (6) and supported against a housing (8). The housing is sealed pressure-tight by a cover plate (20), and thereby a pressure chamber (22) is formed, which can be used as a pneumatic spring. The chamber has an element for pressure level regulation (26), so that the spring/s can be controlled individually or in groups via an electronic control unit. Sensor units (28,30,32) are used to carry out measurements in individual spring elements, for path, pressure and/or vibrations. The resultant signals are processed by an electronic control and regulator device.

IPC 1-7
B61F 5/30; **B61F 5/36**; **B61F 5/14**

IPC 8 full level
B61F 5/14 (2006.01); **B61F 5/30** (2006.01); **B61F 5/36** (2006.01)

CPC (source: EP)
B61F 5/144 (2013.01); **B61F 5/305** (2013.01); **B61F 5/36** (2013.01)

Citation (search report)

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