

Title (en)

CHASSIS SUSPENSION ON AT LEAST TWO AXLES OF A RAILWAY VEHICLE, AND CHASSIS PROVIDED WITH THIS SUSPENSION

Publication

EP 0035443 B1 19840613 (FR)

Application

EP 81400291 A 19810225

Priority

FR 8004518 A 19800229

Abstract (en)

[origin: EP0035443A1] 1. Suspension for railway vehicle underframe having two axles, at least one of the axles being mounted, in the vicinity of each of its ends, in an axle box (7), this suspension (6) comprising, for each box (7) of this axle (4), elastic means (9) supported by the axle box and which, on each side of this latter, are applied against the underframe through the intermediary of at least one connecting link pivoted with respect to the underframe (1) and with respect to that end of the elastic means (9) which is associated with the underframe, the two lines (XX', YY') of application of the forces to which these links (13, 14) are subjected and which pass through the pivot points (16, 17, 21) of these latter having opposite inclinations (A, B), one of the links (14) being mounted in tension, and coupling means arranged between the axle box (7) and the pivots (16) connecting the links (13, 14) to the elastic means (9) so that any displacement of the axle box in a longitudinal direction of the underframe (1) produces a corresponding displacement of these pivots (16), characterized in that the upper link (13) is mounted in compression, that the two links (13, 14) have different inclinations (A, B), and that the underframe carries a reference face (31) against which the axle box (7) is applied in a straight line under the action of the threshold of force exerted on it by reason of the difference in inclination of the links (13, 14).

IPC 1-7

B61F 5/30

IPC 8 full level

B61F 5/30 (2006.01)

CPC (source: EP)

B61F 5/301 (2013.01)

Citation (examination)

- FR 1256132 A 19610317 - SNCF
- FR 77428 E 19620302
- FR 82179 E 19640104
- DE 2110072 A1 19720907
- US 2774312 A 19561218 - ROSSELL WILLIAM T
- FR 427343 A 19110801 - GASTON CUMENGE [FR]
- FR 1072207 A 19540909 - SIEGENER EISENBAHNBEDARF AG
- BE 726495 A 19690616
- DE 2206290 B2 19740314
- US 3926127 A 19751216 - SHIMA SEISUKE
- GB 1240914 A 19710728 - MIDLAND ROSS CORP [US]

Cited by

EP1097852A1; EP1057707A1; FR2794415A1; DE4141463A1; EP0048193A1; FR2490172A1; FR2648417A1; EP0443953A1; FR2658471A1; CN112849190A; GB2422587A; GB2422588A; WO2022205914A1; WO9015744A1; WO2022205913A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0035443 A1 19810909; EP 0035443 B1 19840613; AT E7876 T1 19840615; DE 3164050 D1 19840719; FR 2477090 A1 19810904; FR 2477090 B1 19841019; IE 51214 B1 19861112; IE 810424 L 19810829

DOCDB simple family (application)

EP 81400291 A 19810225; AT 81400291 T 19810225; DE 3164050 T 19810225; FR 8004518 A 19800229; IE 42481 A 19810227