

Title (en)
Chain-link suspension for railway vehicle.

Title (de)
Schakengehänge für Schienenfahrzeug.

Title (fr)
Suspension pendulaire pour véhicule ferroviaire.

Publication
EP 0038252 A1 19811021 (FR)

Application
EP 81400558 A 19810408

Priority
• FR 8007847 A 19800408
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Abstract (en)
1. Pendulous suspension for a railway vehicle body on a carrying axle, where each axle box (5) is firmly fixed to a leaf spring (4), and where the vehicle chassis (7) is suspended at the end of each spring (4) by at least one pair of rings (8, 9) which are retained in bearings in the form of grooves which are combined in links (12, 10, 14), two of the latter (12, 14) being jointed by pins (11, 13) to the end of the spring (4) and to a fixed arm (6) on the chassis (7) respectively, characterised in that at least for one of the load-carrying regions of contact of a ring (8, 9) with a link (12, 10, 14) or of a link (12, 14) with a pin (11, 13), or of a pin (11, 13) with the end of the spring (4) or with the fixed arm (6), contact is made along two lines (A' A'') whose angular separation α , relative to the centre (O) of the load-carrying portion of the ring (8, 9) or of the pin (11, 13), is such that $\tan \alpha/2 > f$, where f is the coefficient of friction between the components in contact.

Abstract (fr)
Suspension pendulaire d'une caisse sur un essieu, du type où la caisse est suspendue à l'extrémité d'un ressort (4) par des anneaux (8-9) retenus dans les gorges de pièces de liaison (12-10-14) elles-mêmes articulées par des axes (11, 13) à l'extrémité du ressort (4) et sur une main fixe (6) du châssis. Pour l'un au moins des contacts d'appui, le contact est réalisé sur deux génératrices (A' A'') dont l'écart angulaire α par rapport au centre (O) de la section d'appui de l'anneau (8, 9) ou de l'axe (11, 13) est tel que $\sin (\alpha/2) > f$, f étant le coefficient de frottement des pièces en contact.

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B61F 5/30

IPC 8 full level
B61F 5/30 (2006.01)

CPC (source: EP)
B61F 5/302 (2013.01)

Citation (search report)
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