

Title (en)

Railway vehicle, especially tramway or urban tramway vehicle for the regional transit

Title (de)

Schienenfahrzeug, insbesondere Strassen- oder Stadtbahnwagen für den Nahverkehr

Title (fr)

Véhicule ferroviaire, notamment véhicule de tramway ou véhicule de tramway urbain pour le trafic régional

Publication

**EP 1123851 A3 20030820 (DE)**

Application

**EP 01102460 A 20010203**

Priority

DE 10005683 A 20000209

Abstract (en)

[origin: EP1123851A2] The rail tram has a height adjustable guard rail (4) fitted at its front, for covering the gap (3) between the rail track level (1) and the front surface (2) of the tram, its height adjusted via an electro-mechanical setting drive onboard the tram, e.g. in dependence on the detected level of the rail track and the movement of the tram carriage (5) provided by a sensor associated with the suspension.

IPC 1-7

**B61F 19/06**; **B61D 17/06**

IPC 8 full level

**B61D 17/06** (2006.01); **B61F 19/06** (2006.01)

CPC (source: EP)

**B61D 17/06** (2013.01)

Citation (search report)

- [X] DE 214049 C
- [X] US 1383196 A 19210628 - FIRST CARL O
- [A] FR 554005 A 19230604
- [A] DE 103266 C
- [A] NL 8900633 A 19901001 - SICOMMERCE AG
- [A] DE 4216025 A1 19931118 - SCHNAEBELE WERNER [DE]
- [A] EP 0686540 A1 19951213 - IBEG MASCH & GERAETEBAU [DE], et al

Cited by

DE102013214424B3; CN111016971A; EP2829454A1; EP4074574A1; DE102021109054A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1123851 A2 20010816**; **EP 1123851 A3 20030820**; **EP 1123851 B1 20050112**; AT E286820 T1 20050115; DE 10005683 A1 20010816; DE 50105043 D1 20050217; ES 2233505 T3 20050616

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