

Title (en)

Radio communication apparatus for rail and tram vehicles

Title (de)

Funkkommunikationsgerät für Schienenfahrzeuge und Stadtbahnwagen

Title (fr)

Appareil de communication radio pour véhicules ferroviaires et tramway

Publication

EP 0943522 B1 20040714 (EN)

Application

EP 99830151 A 19990319

Priority

IT FI980063 A 19980320

Abstract (en)

[origin: EP0943522A1] Radio communication apparatus for rail and tram vehicles comprising at least one transmission unit (T) and at least one reception unit (R) mounted on corresponding coaches (3) of a vehicle formed by a plurality of coaches (3), each of said transmission (T) and reception units (R) being associated to at least a corresponding antenna (1; 2) able to transmit and respectively receive radio signals exchanged by said units (T, R) within the space said signals propagate, characterized in that the propagation space of said signals consists of a wave guide delimited on top by the platform or underbody (30) of the coaches (3) which form the vehicle, at the bottom by the rails plane (4) and, laterally by the trucks and wheels (31) of the coaches (3). <IMAGE>

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B61L 15/00; **B61L 3/12**

IPC 8 full level

B61L 3/12 (2006.01); **B61L 15/00** (2006.01)

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