

Title (en)  
TRACTION DEVICE FOR RAILWAY VEHICLES

Title (de)  
ZUG EINRICHTUNG FÜR SCHIENENFAHRZEUGE

Title (fr)  
DISPOSITIF DE TRACTION POUR VEHICULE FERROVIAIRE

Publication  
**EP 0929432 A1 19990721 (DE)**

Application  
**EP 97912115 A 19971008**

Priority  
• DE 19641572 A 19961009  
• EP 9705462 W 19971008

Abstract (en)  
[origin: WO9815446A1] A traction device for railway vehicles comprising essentially a supporting plate (8) which can be connected to the side of the vehicle, a spring unit (7) and a traction element (1) connecting a spring unit (7) to a coupling arm (6) of a traction hook or an automatic traction coupling. Traction element (1) is made of two fishplates (2, 3) arranged at a distance to each other and connected to each other by a rear connecting pin (4) cooperating with the spring unit (7) and a front connecting pin (5) which accommodates the coupling arm (6) at the same time. Both fishplates (2, 3) are placed in a longitudinally displaceable position and guided in the supporting plate (8).

IPC 1-7  
**B61G 9/04**; **B61G 9/22**

IPC 8 full level  
**B61G 9/04** (2006.01); **B61G 9/22** (2006.01)

CPC (source: EP)  
**B61G 9/045** (2013.01); **B61G 9/22** (2013.01)

Designated contracting state (EPC)  
AT BE CH DE LI

DOCDB simple family (publication)  
**WO 9815446 A1 19980416**; AT E191408 T1 20000415; CZ 92599 A3 19991215; DE 19641572 A1 19980416; DE 59701419 D1 20000511; EP 0929432 A1 19990721; EP 0929432 B1 20000405; PL 184381 B1 20021031; PL 332862 A1 19991025; RO 120129 B1 20050930; SK 45999 A3 20000118

DOCDB simple family (application)  
**EP 9705462 W 19971008**; AT 97912115 T 19971008; CZ 92599 A 19971008; DE 19641572 A 19961009; DE 59701419 T 19971008; EP 97912115 A 19971008; PL 33286297 A 19971008; RO 9900394 A 19971008; SK 45999 A 19971008