

Title (en)  
WEIGHING DEVICE FOR RAIL VEHICLES

Title (de)  
WÄGEVORRICHTUNG FÜR SCHIENENFAHRZEUGE

Title (fr)  
DISPOSITIF DE PESEE POUR VEHICULES SUR RAILS

Publication  
**EP 1337816 A1 20030827 (DE)**

Application  
**EP 01947404 A 20010626**

Priority  
• DE 10031092 A 20000630  
• EP 0107280 W 20010626

Abstract (en)  
[origin: WO0203040A1] The invention relates to a weighing device for rail vehicles which is substantially fastened to conventional standardized concrete sleepers (2, 8). To this end, the conventional concrete sleepers (2, 8) are provided with fastening plates (22) below the rail bridges, on which the dynamometers (3, 10) or weighing cells are fastened. The dynamometers (3, 10) are of the type that are fitted with feedback elements that are connected to the sleeper (2, 8) and to the rails (7). The concrete sleepers (2, 8) that are provided with the dynamometers (3, 10) are glued into a ballast (6) that is stabilized by ballast bonding technology. The weighing devices comprise one or up to forty concrete sleepers (2, 8) that are fitted with weighing cells (3, 10) and that allow both static and dynamic determination of the weight of rail vehicles or parts thereof.

IPC 1-7  
**G01G 19/04**

IPC 8 full level  
**G01G 19/04** (2006.01)

CPC (source: EP)  
**G01G 19/047** (2013.01)

Citation (search report)  
See references of WO 0203040A1

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)  
**WO 0203040 A1 20020110**; AU 6909401 A 20020114; DE 10031092 A1 20020110; EP 1337816 A1 20030827

DOCDB simple family (application)  
**EP 0107280 W 20010626**; AU 6909401 A 20010626; DE 10031092 A 20000630; EP 01947404 A 20010626