

Title (en)
WEIGHING DEVICE FOR RAIL VEHICLES

Title (de)
WÄGEVORRICHTUNG FÜR SCHIENENFAHRZEUGE

Title (fr)
DISPOSITIF DE PESEE POUR VEHICULES SUR RAILS

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Application
EP 01947404 A 20010626

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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.

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