

Title (en)

Method and arrangement for the suppression of interference by magnetic brakes on a magnetic axle counter.

Title (de)

Verfahren und Anordnung zur Unterdrückung des Störeinflusses magnetischer Bremsen auf magnetische Achszähler.

Title (fr)

Méthode et dispositif pour supprimer les effets parasites de freins magnétiques sur un compteur magnétique d'essieux.

Publication

**EP 0374430 B1 19940921 (DE)**

Application

**EP 89119864 A 19891026**

Priority

DE 3842882 A 19881220

Abstract (en)

[origin: EP0374430A2] The invention relates to a method and arrangement for carrying out the method for avoiding interference on axle counters while vehicles equipped with rail brakes (20), in particular magnetic or eddy current brakes, travel past. The axle counters have magnetic sensors arranged laterally and below the surface of the rails (1). In order to avoid incorrect signal triggerings when moving past the rail brakes (20), a frequency-selective, magnetic shielding (21) tuned to the frequencies used by the sensors, is mounted to said rail brakes. The magnetic shielding (21) can have at least one wire coil and a capacitor as electrical two-pole element or a network of capacitors and inductors. The at least one wire coil is expediently mounted on the underside of the rail brake (20) facing the rail and extends over its entire length. <IMAGE>

IPC 1-7

**B61L 1/16**

IPC 8 full level

**B61H 7/08** (2006.01); **B61L 1/16** (2006.01)

CPC (source: EP)

**B61H 7/08** (2013.01); **B61L 1/165** (2013.01)

Designated contracting state (EPC)

AT DE ES FR GB IT

DOCDB simple family (publication)

**EP 0374430 A2 19900627**; **EP 0374430 A3 19900822**; **EP 0374430 B1 19940921**; AT E111830 T1 19941015; DE 3842882 A1 19900621; DE 58908404 D1 19941027; ES 2058439 T3 19941101

DOCDB simple family (application)

**EP 89119864 A 19891026**; AT 89119864 T 19891026; DE 3842882 A 19881220; DE 58908404 T 19891026; ES 89119864 T 19891026