

Title (en)
SECTION INSULATOR FOR CONDUCTOR RAILS

Title (de)
STROMSCHIENEN-STRECKENTRENNER

Title (fr)
SEPARATEUR POUR RAILS CONDUCTEURS

Publication
EP 0927109 A1 19990707 (DE)

Application
EP 97934488 A 19970718

Priority
EP 9703862 W 19970718

Abstract (en)
[origin: WO9903700A1] A conductor-rail arrangement (1) for an electrically driven vehicle, comprising two substantially rigid conductor rails (2, 2', 44) linearly arranged in the direction of travel of the vehicle and at a distance (L1) from one another. Two transition horns (6, 6', 45a, 45b) project into the transition region between said two conductor rails, and one of said transition horns (6, 6', 45a, 45b) is attached to every conductor rail (2, 2', 44). In one section (L2) of said transition region, the transition horns (6, 6', 45a, 45b) extend in parallel to one another with a distance (L3) therebetween obliquely to said conductor rails (2, 2', 44), and substantially in parallel to the plane of travel of the vehicle. The width of said transition horns (6, 6', 45a, 45b) is smaller than the width of said conductor rails (2, 2', 44). This arrangement provides a relatively small transition region between the conductor rails (2, 2', 44), such that the distance (L3) between the wire conductors (21) extending a short length in parallel to said transition region and fixed on the inner side of said transition horns (6, 6', 45a, 45b) is also relatively short. This conductor-rail arrangement (1) allows the vehicle contact shoe to switch from one conductor rail (2, 2', 44) to another, whereby a determined current take-off is ensured.

IPC 1-7
B60M 1/18

IPC 8 full level
B60M 1/18 (2006.01)

CPC (source: EP US)
B60M 1/18 (2013.01 - EP US); **B60M 1/302** (2013.01 - EP US); **B60M 1/305** (2013.01 - EP US)

Citation (search report)
See references of WO 9903700A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9903700 A1 19990128; EP 0927109 A1 19990707; US 6206156 B1 20010327

DOCDB simple family (application)
EP 9703862 W 19970718; EP 97934488 A 19970718; US 14787299 A 19990524