

Title (en)

A current return assembly for railway traction and brushes therefor.

Title (de)

Strom-Rückführungseinrichtung für einen Eisenbahnantrieb und Bürsten dafür.

Title (fr)

Dispositif de retour de courant pour traction ferroviaire et des balais pour ce dispositif.

Publication

EP 0644097 A1 19950322 (EN)

Application

EP 94202585 A 19940908

Priority

IT MI931998 A 19930916

Abstract (en)

A current return assembly (15,29) for railway traction and brushes therefor, wherein the brushes comprise a conductive body of metalgraphite (1,40) and a small plate of a lightweight material (2,46) coupled to the conductive body by means of a centering wedge (5,47), the resultant brushes having reduced weight and being adapted for reliable utilization at an optimum contact pressure and with a consequently increased service life even under severe conditions of operation and acceleration stresses on the order of 20 g. The reduction in weight of the brushes and consequent reduction in the mechanical stresses caused thereby, enable the assembly (15,29) to be made of light alloy. <IMAGE>

IPC 1-7

B61F 15/28

IPC 8 full level

B61F 15/28 (2006.01)

CPC (source: EP)

B61F 15/28 (2013.01)

Citation (search report)

- [A] EP 0297002 A1 19881228 - FERRAZ SA [FR]
- [A] GB 556465 A 19431006 - MORGAN CRUCIBLE CO, et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 17, no. 608 (E - 1457) 9 November 1993 (1993-11-09)

Designated contracting state (EPC)

AT CH DE ES FR GB LI

DOCDB simple family (publication)

EP 0644097 A1 19950322; EP 0644097 B1 19970226; AT E149124 T1 19970315; DE 69401796 D1 19970403; DE 69401796 T2 19970703; ES 2098862 T3 19970501; IT 1272642 B 19970626; IT MI931998 A0 19930916; IT MI931998 A1 19950316

DOCDB simple family (application)

EP 94202585 A 19940908; AT 94202585 T 19940908; DE 69401796 T 19940908; ES 94202585 T 19940908; IT MI931998 A 19930916