

Title (en)  
RAILWAY BALLAST BROOM ELEMENT CLAMP PLATE, BROOM ELEMENT AND EXTRUSION PROCESS FOR MANUFACTURING BROOM ELEMENT AND ASSOCIATED APPARATUS

Title (de)  
KLEMMPLATTE FÜR EIN BALLASTBESENELEMENT IM EISENBAHNBAU, BESENELEMENT UND EXTRUSIONSVERFAHREN ZUR HERSTELLUNG EINES BESENELEMENTS UND DAZUGEHÖRIGE VORRICHTUNG

Title (fr)  
PLAQUE DE SERRAGE D'UNE BROSSE ROTATIVE A BALLAST DE CHEMIN DE FER, ELEMENT DE BROSSE ROTATIVE ET PROCEDE D'EXTRUSION UTILISE DANS LA FABRICATION D'UNE BROSSE ROTATIVE A BALLAST, ET APPAREIL ASSOCIE

Publication  
**EP 1038067 A1 20000927 (EN)**

Application  
**EP 98960882 A 19981210**

Priority  
• AU 9801025 W 19981210  
• AU PP084697 A 19971210

Abstract (en)  
[origin: WO9929961A1] A clamping plate (12) for attachment to clamp bracket (7) of a rotary ballast broom reel (8) is disclosed. A drum (8) is adapted to rotate such that the distal end of the broom elements (11) rotate to dislodge railway track ballast. A depending leg (16) has an internal bore (17) therein. A bolt (14) includes thread which is completely encased within the bore (17) and thus is not exposed to flying debris resulting from action of the broom element (11) on railway ballast. An extruded broom element (11) has a main portion (60) of substantially constant circular cross section with the distal end portion (61) tapering outwardly to provide an increased thickness to resist wear. A process of extruding such a broom element is also disclosed.

IPC 1-7  
**E01B 27/04**; F16B 2/02; F16B 5/06; F16B 37/00; F16B 37/14

IPC 8 full level  
**A46B 13/00** (2006.01); **E01B 27/04** (2006.01)

CPC (source: EP)  
**A46B 13/001** (2013.01); **E01B 27/04** (2013.01); **E01B 27/026** (2013.01); **E01B 2203/027** (2013.01); **E01B 2203/086** (2013.01)

Citation (search report)  
See references of WO 9929961A1

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

DOCDB simple family (publication)  
**WO 9929961 A1 19990617**; AU PP084697 A0 19980108; CA 2314216 A1 19990617; EP 1038067 A1 20000927

DOCDB simple family (application)  
**AU 9801025 W 19981210**; AU PP084697 A 19971210; CA 2314216 A 19981210; EP 98960882 A 19981210