

Title (en)
CHAMBER FILLING BODY MADE OF RIGID POLYURETHANE FOAM

Title (de)
KAMMERFÜLLKÖRPER AUS POLYURETHANHARTSCHAUM

Title (fr)
CORPS DE REMPLISSAGE DE CHAMBRES EN MOUSSE RIGIDE DE POLYURETHANNE

Publication
EP 1105575 B1 20051019 (DE)

Application
EP 99941564 A 19990811

Priority
• DE 19837479 A 19980811
• EP 9905815 W 19990811

Abstract (en)
[origin: WO0009807A1] The invention relates to the use of pure, unfilled polyurethane for chamber filling bodies and to a chamber filling body which are suitable for blocking the chambers of rails of railborne vehicles by casting in the form of a rigid foam with a mass density ranging from 40 to 160 kg/m³ in a casting mold matching exactly the shape of the chamber. The polyurethane to be cast can be adjusted and the casting mold can be thermally regulated in such a way that the chamber filling body forms a thin layer. According to the invention, it is particularly advantageous to produce the filling body in the casting mold in the form of a shaped foam body with recesses or constant cross sections having a length that is several times greater than the length required for installation, to cut said body in situ with a cutting tool and/or to cut out the recesses for the components coupled to the rails.

IPC 1-7
E01B 19/00

IPC 8 full level
E01B 19/00 (2006.01)

CPC (source: EP)
E01B 19/003 (2013.01); **E01B 2204/11** (2013.01)

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 0009807 A1 20000224; AT E307223 T1 20051115; AU 5513199 A 20000306; DE 19837479 C1 20000615; DE 59912682 D1 20051124; EP 1105575 A1 20010613; EP 1105575 B1 20051019; ES 2251219 T3 20060416

DOCDB simple family (application)
EP 9905815 W 19990811; AT 99941564 T 19990811; AU 5513199 A 19990811; DE 19837479 A 19980811; DE 59912682 T 19990811; EP 99941564 A 19990811; ES 99941564 T 19990811