

Title (en)  
GROOVED RAIL CORE PIECE

Title (de)  
RILLENSCHIENENHERZSTÜCK

Title (fr)  
COEUR DE CROISEMENT DE RAILS A GORGE

Publication  
**EP 1601835 B1 20070815 (DE)**

Application  
**EP 04718930 A 20040310**

Priority  
• EP 2004002447 W 20040310  
• DE 10311113 A 20030312

Abstract (en)  
[origin: US2006054746A1] A grooved rail core piece including a core piece intersection area formed by intersecting grooves as an overflow area. The core piece has two construction profiles with interconnected outer fishing surfaces ( 22,24 ) extending in a longitudinal direction. In order to enable the intersection area of the core piece to be renewed in a simple manner, the intersection-point area of the core piece includes an interchangeable insert ( 36 ) which is arranged in a recess in an at least positive fit, the recess being defined by the sections of the construction profiles and by the sections of the lining parts ( 30,32 ) disposed in the outer fishing surfaces ( 22, 24 ), and the insert is fixed by means of at least two wedge elements ( 38, 40 ) which can be clamped in the lining parts. The lining parts and the construction profiles are connected by means of at least one clamping element protruding there through in a non-positive fit.

IPC 8 full level  
**E01B 7/12** (2006.01)

CPC (source: EP US)  
**E01B 7/12** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
LT LV

DOCDB simple family (publication)  
**US 2006054746 A1 20060316; US 7309050 B2 20071218**; AT E370274 T1 20070915; DE 10311113 A1 20040923;  
DE 502004004642 D1 20070927; DK 1601835 T3 20071217; EP 1601835 A1 20051207; EP 1601835 B1 20070815; HK 1089489 A1 20061201;  
WO 2004081286 A1 20040923

DOCDB simple family (application)  
**US 54285805 A 20050908**; AT 04718930 T 20040310; DE 10311113 A 20030312; DE 502004004642 T 20040310; DK 04718930 T 20040310;  
EP 04718930 A 20040310; EP 2004002447 W 20040310; HK 06106535 A 20060607