

Title (en)

Grooved rail frog and method of production thereof

Title (de)

Rillenschienenherzstück sowie Verfahren zum Herstellen eines solchen

Title (fr)

Coeur pour rails à ornière et procédé de fabrication dudit coeur

Publication

**EP 1138830 B1 20050504 (DE)**

Application

**EP 01108120 A 20010330**

Priority

- DE 10015508 A 20000330
- DE 10015522 A 20000330

Abstract (en)

[origin: EP1138830A2] The device has a tongue crossing point/wheel overrun section (24) with crossing grooves having projecting sides. The tongue crossing section consists of two longitudinal construction profiles (12,14), each corresponding to one half of the crossing nose section. The profiles are connected via welding, adhesive, and/or screw connections. The tongue crossing section has an internal wear-proof insert (52), and the profiles have apertures to accommodate it. The insert is esp. of wear-resistant austenitic manganese steel, or self-hardening and/or tempered steel.

IPC 1-7

**E01B 7/12**

IPC 8 full level

**E01B 7/12** (2006.01)

CPC (source: EP)

**E01B 7/12** (2013.01)

Cited by

EP1657361A3; DE10311113A1; CN109594432A; CN112064426A; EP2520711A3; US7309050B2; WO2004081286A1; WO2024120219A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1138830 A2 20011004; EP 1138830 A3 20030423; EP 1138830 B1 20050504**; AT E294897 T1 20050515; DE 50106067 D1 20050609; DK 1138830 T3 20050829; HK 1042733 A1 20020823; HK 1042733 B 20060310

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**EP 01108120 A 20010330**; AT 01108120 T 20010330; DE 50106067 T 20010330; DK 01108120 T 20010330; HK 02102531 A 20020404