

Title (en)
Railroad frog

Title (de)
Herzstück

Title (fr)
Coeur de croisement

Publication
EP 1455017 B1 20060503 (DE)

Application
EP 04005199 A 20040304

Priority
DE 10310040 A 20030306

Abstract (en)
[origin: EP1455017A2] The frog (1) linked to connecting rails, for railway direction change points, has a block-type base body (2) and a frog point (3) with two point pieces (4,5) and a spring movement. The base body has at least one connection block (14,15), with an outer connecting zone (16) at a connecting rail and an inner connecting zone (17) for a point piece. A movement guide flank zone (18) is at the connection block, between the outer and inner connecting zones, to give a spatial uncoupling between the connecting rail and the point piece. The body is in one piece, formed by machining or casting, with a V-shaped holder (19) for the point pieces.

IPC 8 full level
E01B 7/12 (2006.01); **E01B 7/14** (2006.01)

CPC (source: EP)
E01B 7/14 (2013.01)

Cited by
CN107974877A; BE1020879A4; CN104264536A; DE102016120200A1; TWI757352B; DE102021106050A1; WO2022189107A1

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

DOCDB simple family (publication)
EP 1455017 A2 20040908; EP 1455017 A3 20050518; EP 1455017 B1 20060503; AT E325236 T1 20060615; DE 10310040 A1 20040916;
DE 502004000481 D1 20060608; ES 2264056 T3 20061216

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EP 04005199 A 20040304; AT 04005199 T 20040304; DE 10310040 A 20030306; DE 502004000481 T 20040304; ES 04005199 T 20040304