

Title (en)  
Frog

Title (de)  
Herzstück

Title (fr)  
Coeur de voie

Publication  
**EP 2103738 A3 20110706 (EN)**

Application  
**EP 08466022 A 20080819**

Priority  
CZ 200819770 U 20080318

Abstract (en)  
[origin: EP2103738A2] Frog - mainly of a rail switch of town transport - includes the external part (1) continuing the connecting rails (2) and internal part (4) with crossing (5) placed in a recession (5) adjusted in the external part (1) and connected with the external part (1) on detachable basis.

IPC 8 full level  
**E01B 7/10** (2006.01); **E01B 7/12** (2006.01)

CPC (source: EP)  
**E01B 7/10** (2013.01); **E01B 7/12** (2013.01)

Citation (search report)

- [X] EP 0143289 A1 19850605 - SCHRECK MIEVES GMBH [DE]
- [X] US 1461701 A 19230710 - PSILANDER CHARLES A
- [A] DE 202004016709 U1 20050203 - THYSENKRUPP WEICHENBAU GMBH [DE]

Cited by  
WO2024056873A1; EP2362017A3; DE102010015235B4; EP4339067A1; WO2024021799A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2103738 A2 20090923; EP 2103738 A3 20110706; EP 2103738 B1 20121003**; CZ 18503 U1 20080428; ES 2396464 T3 20130221; PL 2103738 T3 20130228; SK 32009 U1 20100308; SK 5623 Y1 20101207

DOCDB simple family (application)  
**EP 08466022 A 20080819**; CZ 200819770 U 20080318; ES 08466022 T 20080819; PL 08466022 T 20080819; SK 32009 U 20090115