

Title (en)

TONGUE DEVICE FOR GROOVED RAILS

Publication

EP 0144034 A3 19860625 (DE)

Application

EP 84113933 A 19841117

Priority

DE 3343239 A 19831130

Abstract (en)

[origin: US4634087A] A grooved rail switch with a tongue rail device includes a tongue rail displaceably supported on a torsion-stiff support box for movement between a stock rail and a switch rail. The support box is made up of an upper slide plate, a lower bottom plate and flat bars extending between and welded to the slide plate and bottom plate. High strength bolts secure the stock rail to one side of the support box and the switch rail to the other side.

IPC 1-7

E01B 7/02

IPC 8 full level

E01B 7/02 (2006.01)

CPC (source: EP US)

E01B 7/02 (2013.01 - EP US); **E01B 2202/024** (2013.01 - EP US)

Citation (search report)

- [A] CH 218799 A 19411231 - DORTMUNDER UNION BRUECKENBAU [DE]
- [A] DE 561319 C 19321013 - GUTEHOFFNUNGSHUETTE OBERHAUSEN
- [A] DE 493589 C 19300308 - GUTEHOFFNUNGSHUETTE OBERHAUSEN
- [A] US 2069904 A 19370209 - VANGEL THEODOS
- [A] DE 302936 C

Cited by

DE19507376A1; DE19507376C2; DE4201757A1; DE102016107367A1; DE4244010A1; US5451018A; EP3205770A1; EP3235950A1; EP3505678A1; EP3205770B1

Designated contracting state (EPC)

AT CH FR LI NL SE

DOCDB simple family (publication)

EP 0144034 A2 19850612; **EP 0144034 A3 19860625**; **EP 0144034 B1 19880302**; AT E32759 T1 19880315; DE 3343239 C1 19850530; US 4634087 A 19870106

DOCDB simple family (application)

EP 84113933 A 19841117; AT 84113933 T 19841117; DE 3343239 A 19831130; US 67654484 A 19841130