

Title (en)  
Device for fastening rails

Title (de)  
Vorrichtung zum Befestigen von Schienen

Title (fr)  
Dispositif de fixation de rail

Publication  
**EP 1413677 A3 20040630 (DE)**

Application  
**EP 03021798 A 20030926**

Priority  
DE 10249500 A 20021023

Abstract (en)  
[origin: EP1413677A2] A railway line has switch-points in which rails are anchored by a base-plate (2) with a slide plate (1). The slide plate has a detent (7) which receives a spring locking pin (8), spring locking plate or similar, and an abutment (14) extending the width of the detent. The plate has a claw (6) extending around the rail end.

IPC 1-7  
**E01B 7/22**

IPC 8 full level  
**E01B 7/02** (2006.01)

CPC (source: EP)  
**E01B 7/02** (2013.01); **E01B 2202/042** (2013.01)

Citation (search report)  
• [DA] DE 3230612 A1 19840223 - SCHWIHAG GMBH [CH]  
• [A] DE 4229014 A1 19940303 - BUTZBACHER WEICHENBAU GMBH [DE]

Cited by  
CN105839477A; CN102071603A; CN107780310A

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 PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1413677 A2 20040428; EP 1413677 A3 20040630; EP 1413677 B1 20051214**; AT E312974 T1 20051215; CA 2445115 A1 20040423; CA 2445115 C 20110705; DE 10249500 A1 20040506; DE 50301910 D1 20060119; DK 1413677 T3 20060418; ES 2254844 T3 20060616

DOCDB simple family (application)  
**EP 03021798 A 20030926**; AT 03021798 T 20030926; CA 2445115 A 20031014; DE 10249500 A 20021023; DE 50301910 T 20030926; DK 03021798 T 20030926; ES 03021798 T 20030926