

Title (en)
Adjustable rail fixation

Title (de)
Regelbare Schienenbefestigung

Title (fr)
Fixation de rail réglable

Publication
EP 0962592 A1 19991208 (DE)

Application
EP 99110330 A 19990528

Priority
DE 19824458 A 19980530

Abstract (en)
The fixing unit comprises an intermediate plate (8) located below the base of the rail, angled guide plates (6) which support the rail on both sides against a groove (2) and/or shoulder (3), tensioning clamps (7) and rail fixing screws (5) which are anchored in plugs (4) in the sleeper. The plugs are located in the sleeper in such a way that they act as a bearing for the rail. If rails with a narrower base are used, spacing members can be located between the rail and the guide plates. The spacing members have an arm which extends over the rail base. The tensioning clamps press on the spacing members and thereby also press the rail down.

Abstract (de)
Es werden Vorrichtungen zur Befestigung von Schienen auf Schwellen bei schienengeführten Verkehrswegen vorgeschlagen, die aus Schienenbefestigungsschrauben (5), Winkelführungsplatten (6), Spannklemme (7) und Zwischenplatte (8) bestehen und mit geringen Abwandlungen für mindestens zwei Schientypen (9, 11) mit unterschiedlicher Fußbreite (10 bzw. 12) verwendbar und auf einem Schwellentyp montierbar sind. <IMAGE>

IPC 1-7
E01B 9/30; **E01B 9/66**

IPC 8 full level
E01B 9/30 (2006.01); **E01B 9/66** (2006.01)

CPC (source: EP)
E01B 9/303 (2013.01); **E01B 9/66** (2013.01)

Citation (applicant)
DE 1257817 B 19680104 - MEIER HERMANN DR ING

Citation (search report)
• [YA] US 5096119 A 19920317 - SCHULTHEISS HANS [DE], et al
• [YA] GB 2214545 A 19890906 - HERWARD CLIVE ERNEST
• [YA] DE 19608823 C1 19970522 - KRUPP AG HOESCH KRUPP [DE]
• [A] US 4193544 A 19800318 - FAVILLE WARWICK S [GB], et al
• [A] US 5221044 A 19930622 - GUINS SERGEI G [US]
• [A] DE 2347794 A1 19750410 - BETON & MONIERBAU AG

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CN112848404A; CN114290259A; FR2878867A1; EP1672121A1; DE102004013550A1; EA014568B1; WO2009039836A1; WO2007144366A1; EP2133467A1; DE102008028092A1; US8757510B2; US8181887B2

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DOCDB simple family (application)
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