

Title (en)
TWO PIECE RAIL FASTENING ASSEMBLIES FOR WOODEN CROSS TIES

Publication
EP 0066995 A3 19831005 (EN)

Application
EP 82302625 A 19820521

Priority
US 26692881 A 19810526

Abstract (en)
[origin: EP0066995A2] A boltless two-piece rail fastening assembly (10) for securing a railway rail (14), supported on a conventional tie plate (12), to a wooden cross tie (20) is comprised of a chair (50) and a rail clip (30) latched thereon. The chair (50) includes a body (52) having a jaw (72) with a bight configured to receive the clip (30), and at least one downwardly projecting leg or shank (58, 80) for securing the chair (50) adjacent the base flange (18) of the rail (14). The rail clip (30) is a torsional spring clip in the general form of an "S" having a rail-bearing leg (34) for proximate engagement with the base flange (18) of the rail (14) and a tie bearing leg (36) for proximate engagement with the tie plate (12).

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E01B 9/48; **E01B 9/30**

IPC 8 full level
E01B 9/12 (2006.01); **E01B 9/30** (2006.01); **E01B 9/48** (2006.01)

CPC (source: EP)
E01B 9/12 (2013.01); **E01B 9/303** (2013.01); **E01B 9/483** (2013.01)

Citation (search report)
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• [Y] GB 2034788 A 19800611 - LONDON TRANSPORT EXECUTIVE
• [Y] US 2357499 A 19440905 - BOYCE WILLIAM S, et al
• [A] GB 1474698 A 19770525 - PANDROL LTD
• [A] US 2387009 A 19451016 - CLARKSON RALPH P
• [A] FR 2365003 A1 19780414 - TEMPERED SPRING CY LTD [GB]
• [A] FR 900354 A 19450627
• [A] US 3326466 A 19670620 - STEWART SANSON LEOPOLD
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EP 0066995 A2 19821215; **EP 0066995 A3 19831005**; **EP 0066995 B1 19860402**; BR 8203022 A 19830510; CA 1203788 A 19860429; DE 3270220 D1 19860507; JP S57209301 A 19821222; MX 159898 A 19890928

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EP 82302625 A 19820521; BR 8203022 A 19820525; CA 403253 A 19820519; DE 3270220 T 19820521; JP 8958782 A 19820526; MX 19285282 A 19820525