

Title (en)
SWIFT ACTION ELASTIC FASTENING DEVICE FOR A RAILWAY RAIL

Publication
EP 0275800 B1 19901128 (FR)

Application
EP 87420331 A 19871211

Priority
FR 8617614 A 19861212

Abstract (en)
[origin: WO8804342A1] The device comprises a fixing rod (9) of which the spring head (12) bears under the shoe (1) of the rail which is centered on the cross tie (2) by means of a shim (14), while its other end (10) configured like a hook (11) is held in an insulating sheath (5) of the type known under the trademark "Plastirail" and embedded in the support (2) and comprising an internal shoulder (8) for tensioning the spring head (12) under the shoe (1) of the rail after the rod (9) has been manoeuvred by half a turn. The tensioning of the head (12) of the rod (9) results also from the slope which affects the top face of the shim (14) which extends the slope of the shoe of the rail (1).

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IPC 8 full level
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Cited by
FR2634801A1; WO9939053A1

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WO 8804342 A1 19880616; AU 1051488 A 19880630; AU 601800 B2 19900920; CA 1326224 C 19940118; DE 3766486 D1 19910110; EP 0275800 A1 19880727; EP 0275800 B1 19901128; ES 2019966 B3 19910716; FR 2608182 A1 19880617; FR 2608182 B1 19900824; GR 3001233 T3 19920730; JP H01501720 A 19890615; JP H0465921 B2 19921021; US 4927078 A 19900522

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FR 8700493 W 19871211; AU 1051488 A 19871211; CA 554120 A 19871211; DE 3766486 T 19871211; EP 87420331 A 19871211; ES 87420331 T 19871211; FR 8617614 A 19861212; GR 900401131 T 19901221; JP 50056988 A 19871211; US 24681688 A 19880729