

Title (en)

High resilient attachment device for securing railway rails on a ballastless track

Title (de)

Hochelastische Befestigung von Eisenbahn-Schienen auf einer festen Fahrbahn

Title (fr)

Dispositif de fixation à haute résilience de rails de chemin de fer sur une voie sans ballast

Publication

EP 0883713 B1 20040428 (DE)

Application

EP 97905097 A 19970226

Priority

- DE 19607339 A 19960227
- EP 9700934 W 19970226

Abstract (en)

[origin: US6257495B1] A device for securing railway rails (12) on a solid track includes a standard concrete sleeper (16) used for the ballast track. Each of the rails (12) is guided between two angle guide plates (30) and urged by a tensible clamp (34) against the concrete sleeper (16). A resilient intermediate plate (52) is disposed between the rail flange (14) and the standard concrete sleeper (16) and, at their ends remote from the rail (12), the angle guide plates (30) include a first (24) and a second surface (28), the first surface (24) being inclined obliquely to the vertical in the mounted position and abutting a correspondingly shaped sloping surface (44) of the standard concrete sleeper (16). The second surface (28) is aligned substantially vertically and rises over the top of the standard concrete sleeper (16).

IPC 1-7

E01B 9/30

IPC 8 full level

E01B 9/30 (2006.01); **E01B 9/68** (2006.01)

CPC (source: EP US)

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Citation (examination)

EP 0632164 A1 19950104 - PORR ALLG BAUGES [AT], et al

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DOCDB simple family (publication)

US 6257495 B1 20010710; AT E265576 T1 20040515; CN 1216078 A 19990505; CZ 272498 A3 19990414; CZ 293627 B6 20040616; DE 19607339 A1 19970828; DE 59711574 D1 20040603; DK 0883713 T3 20040816; EP 0883713 A1 19981216; EP 0883713 B1 20040428; ES 2221036 T3 20041216; HR P970115 A2 19980228; HR P970115 B1 20050630; IL 125975 A0 19990411; IL 125975 A 20010128; PL 185096 B1 20030228; PL 328859 A1 19990301; PT 883713 E 20040930; RU 2239012 C2 20041027; SK 117898 A3 19990611; SK 285115 B6 20060601; TR 199801678 T2 19981221; UA 50760 C2 20021115; WO 9732083 A1 19970904

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