

Title (en)  
SECURING OF RAILS WITH A SPRING CLAMP

Publication  
**EP 0231304 B1 19891011 (DE)**

Application  
**EP 86904805 A 19860723**

Priority  
DE 3526653 A 19850725

Abstract (en)  
[origin: WO8700566A1] Rails are fixed by a W-shaped steel spring clamp (9) made from bar steel, in which the central part passes round the shank of a square-headed bolt (11) anchored in a slot (10a, 10b) in the ribs (3a, 3b) of the sole plate (3); the free and closely-located ends (9a) of the clamp (9) exert a pressure on the rail foot (1a, 1b) and the pressure arms (9c) of the clamp (9) opposite the rail foot (1a, 1b) press on the outer side of the ribs (3a, 3b) of the sole plate. To enable pre-assembly, the free ends (9a') of the clamp (9') rest, in the pre-assembly position, on the upper surface of the ribs (3a, 3b) of the sole plate (3) in such a way that they provide a tight closure with the lower edge of the ribs and the two clamps of a support point form a rail-guide with their two free ends. In the assembly position, the free ends (9a) of the clamp (9) press on the rail foot (1a, 1b), by means of the square-headed bolt (11). The middle part (9e) is then located slightly above (a) the rail foot (1a, 1b) and the pressure arms (9c) opposite the rail foot rest on the outer side of the ribs (3a, 3b) and press on the sole-plate (3).

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**E01B 9/48**

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

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

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Cited by  
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**WO 8700566 A1 19870129**; AT E47172 T1 19891015; DD 249059 A5 19870826; DE 3526653 A1 19870205; DE 3526653 C2 19890720; DE 3666242 D1 19891116; EP 0231304 A1 19870812; EP 0231304 B1 19891011; ES 2001395 A6 19880516; GE P19960346 B 19960221; HU 195862 B 19880728; HU T43345 A 19871028; LT 2264 B 19931215; LV 15686 D 20200720; LV 5310 A3 19931010; MD 435 C2 19960930; SU 1482536 A3 19890523

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