

Title (en)

ARRANGEMENT FOR SECURING THE POSITION OF STEEL SLEEPERS

Publication

**EP 0298904 B1 19920624 (DE)**

Application

**EP 88730145 A 19880701**

Priority

DE 3722627 A 19870709

Abstract (en)

[origin: EP0298904A1] It is proposed to arrange crossbars (24) consisting of right-angled profiles in the ballast bed under steel sleepers (3) for railway tracks, the first flange of which profiles is welded with the base of the sleeper and the second flange of which projects perpendicular away from the base deep into the ballast bed. As a result, the lateral forces which occur on the passage of a train are absorbed by the rails and sleepers and a transverse displacement of the sleepers and of the entire track is prevented. For an optimum design of the crossbars, they can be used as a stacking aid during the transport of the steel sleepers which have been preassembled ready for laying at the manufacturer's, so that shipping timbers can be discarded. <IMAGE>

IPC 1-7

**E01B 3/16**; **E01B 13/00**

IPC 8 full level

**E01B 3/16** (2006.01); **E01B 13/00** (2006.01)

CPC (source: EP)

**E01B 3/16** (2013.01); **E01B 13/00** (2013.01)

Cited by

CN103194939A; EP0531771A1; GB2392191A; GB2392191B; US5782406A; EP1130162A3; US6305613B1; WO9428245A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0298904 A1 19890111**; **EP 0298904 B1 19920624**; AT E77666 T1 19920715; DE 3722627 A1 19890126; DE 3872319 D1 19920730; ES 2033460 T3 19930316

DOCDB simple family (application)

**EP 88730145 A 19880701**; AT 88730145 T 19880701; DE 3722627 A 19870709; DE 3872319 T 19880701; ES 88730145 T 19880701