

Title (en)  
RAIL CLIP INSULATOR

Title (de)  
ISOLIERENDE SCHIENENKLEMME

Title (fr)  
BUTEE ISOLANTE POUR ATTACHE DE RAIL DE CHEMIN DE FER

Publication  
**EP 0677127 B1 19970730 (FR)**

Application  
**EP 94902863 A 19931228**

Priority  
• FR 9301304 W 19931228  
• FR 9215860 A 19921229  
• FR 9307680 A 19930624

Abstract (en)  
[origin: WO9415022A1] A rail clip insulator including a front portion (1) bearing against the rail foot, a base (2) fitted into a corresponding seat in the rail sleeper, an upper portion (3) supporting the clip and having a means (36) for engaging the back end of said clip and a central through-hole (34) for an anchoring member, as well as a rear portion (4) provided with a locking surface (40) engaging the rear wall of the sleeper seat. The upper portion (3) comprises a central recess (33) with a bottom wall (330) facing downwards and rearwards, said recess being flanked on either side by two symmetrical reinforcing ribs (31, 32), and at the back by the clip engaging means (36).

IPC 1-7  
**E01B 9/30**

IPC 8 full level  
**E01B 9/68** (2006.01); **E01B 9/28** (2006.01); **E01B 9/30** (2006.01)

CPC (source: EP KR)  
**E01B 9/30** (2013.01 - KR); **E01B 9/306** (2013.01 - EP)

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**FR 2699943 A1 19940701; FR 2699943 B1 19970829**; AT E156211 T1 19970815; BR 9307751 A 19951024; CN 1103687 A 19950614; DE 69312742 D1 19970904; DK 0677127 T3 19980316; DZ 1743 A1 20020217; EP 0677127 A1 19951018; EP 0677127 B1 19970730; ES 2096513 A1 19970301; ES 2096513 B1 19971016; ES 2107175 T3 19971116; GR 3024838 T3 19980130; JP 3260374 B2 20020225; JP H08504908 A 19960528; KR 960700381 A 19960120; MA 23059 A1 19940701; MX 9308180 A 19950131; OA 10170 A 19981218; TN SN93142 A1 19940317; WO 9415022 A1 19940707

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