

Title (en)
RESILIENT PAD FOR STEEL Y-SLEEPERS

Publication
EP 0199667 B1 19901031 (DE)

Application
EP 86730056 A 19860327

Priority
DE 3512200 A 19850403

Abstract (en)
[origin: EP0199667A2] 1. Resilient, insulating supporting base, which is wedge-shaped in an inclined manner towards the centre of the track, for Y-shaped steel sleepers, comprising two I-shaped steel supporting members, which are curved in opposite directions in a substantially S-shaped manner and have straight ends extending parallel to one another, both I-shaped steel supporting members each being welded at one end so as to form a supporting point for one rail of a track with a spacing therebetween, and the other two ends of the I-shaped steel supporting members being welded to a respective parallel, short, straight I-shaped steel supporting member, likewise with a spacing therebetween, so as to form supporting points for the other rail - laid rails of railway lines - characterised in that the supporting base is a one-piece construction ; - engages over both adjacent I-shaped steel supporting members (4, 5; 4, 6; 5, 7) ; - covers the supporting surfaces of the tensioning means (23, 24) at the sleeper end for securement of the rails ; - is formed from a material having a shearing modulus of elasticity of $5 \times 10^{**5}$ to $3 \times 10^{**9}$ Pa, which is thereby permanently resistant to fracture and is resistant to cracking in the temperature range of 235 degrees K to 350 degrees K (- 38 degrees C to + 77 degrees C) ; - has at least one cross-piece member (44, 45; 55, 56; 67, 68; 74) extending transversely relative to the wedge direction ; and - has projection members (47, 48; 59, 60; 71, 72; 75) protruding from its underside (46), which projection members extend parallel to the wedge direction and abut against two edges of the I-shaped steel supporting members (4, 5, 6, 7) between said supporting members or externally laterally thereof.

IPC 1-7
E01B 9/34; **E01B 9/68**

IPC 8 full level
E01B 9/34 (2006.01); **E01B 9/68** (2006.01)

CPC (source: EP)
E01B 9/34 (2013.01); **E01B 9/685** (2013.01); **E01B 9/681** (2013.01); **E01B 9/686** (2013.01)

Cited by
DE4101198C1; EP3290584A1; CN107794811A; WO9531605A1

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