

Title (en)

Resilient pad for steel Y-sleepers.

Title (de)

Elastisches Unterlegteil für Y-Stahlschwellen.

Title (fr)

Semelle élastique pour traverses en acier en forme de Y.

Publication

**EP 0199667 A2 19861029 (DE)**

Application

**EP 86730056 A 19860327**

Priority

DE 3512200 A 19850403

Abstract (en)

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.

Abstract (de)

Es wird vorgeschlagen, ein einstückiges Unterlegteil (16) für auf Y-Stahlschwellen (4) verlegte Eisenbahnschienen (1) zu verwenden, das sowohl die Schiene als auch die Spannmittel (23, 24) elektrisch isoliert und gleichzeitig schwingungsdämpfend wirkt. Es soll Material definierter Temperaturbeständigkeit und Elastizität verwendet werden, die für Teilabschnitte des Unterlegteiles unterschiedlich bestimmt sein können. Die Form des Unterlegteiles (16) ist so gewählt, daß für einen Schwellenauflegepunkt ein oder zwei Unterlegteile (16) mit seitlichen Fixierungsvorsprüngen verwendet werden können.

IPC 1-7

**E01B 9/68**; **E01B 9/34**

IPC 8 full level

**E01B 9/34** (2006.01); **E01B 9/68** (2006.01)

CPC (source: EP)

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