

Title (en)  
PRESTRESSED CONCRETE RAILWAY SLEEPER

Publication  
**EP 0361227 B1 19921021 (DE)**

Application  
**EP 89117094 A 19890915**

Priority  
DE 3832504 A 19880924

Abstract (en)  
[origin: EP0361227A2] In a prestressed concrete railway sleeper whose sleeper body (1) consists of two supporting bodies (2, 2') carrying the rail fastenings and a centre part (3) of smaller cross-section, the prestressing elements (4), such as, for example, steel bars, wires or strands, starting from a point where they are united in a vertical and/or horizontal plane in the sleeper centre, are run radially and rectilinearly to the sleeper ends (5, 5'), where they are anchored in uniform distribution over the cross-sectional areas of the sleeper ends. By the uniting of the prestressing elements (4) in the sleeper centre, the use of a sleeper body having a narrow, high centre web and wide sleeper ends also becomes possible for prestressed concrete sleepers, in which sleeper body only slight alternating bending moments arise in the centre part or a unidirectionally positive pattern of the bending moments can be permitted over the entire length of the sleeper. <IMAGE>

IPC 1-7  
**E01B 3/34**

IPC 8 full level  
**E01B 3/34** (2006.01)

CPC (source: EP)  
**E01B 3/34** (2013.01)

Cited by  
CN103334350A; US5135164A; US9238891B1; US9890503B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0361227 A2 19900404; EP 0361227 A3 19900620; EP 0361227 B1 19921021**; AT E81691 T1 19921115; DE 3832504 A1 19900405; DE 3832504 C2 19911212; ES 2036011 T3 19930501; MX 172187 B 19931207

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