

Title (en)

Head to head welding joint of two aligned rail segments

Title (de)

Schweisssverbindung zwischen zwei in Längsrichtung eines Schienenstranges hintereinander angeordneten Schienenstücken

Title (fr)

Joint de soudure de deux rails alignés, aboutés aux extrémités

Publication

**EP 0545336 B1 19960306 (DE)**

Application

**EP 92120396 A 19921130**

Priority

AT 239691 A 19911203

Abstract (en)

[origin: EP0545336A1] The invention describes the welding connection (5) as well as a method for its manufacture. The mutually facing end sides (6, 7) of the rail segments (1, 2) are interconnected via an added material (8) which extends from the rail foot (32) to the rail head (30). The welding connection (5) is formed by a welding zone (22; 23; 24, 25) connecting the rail foot (32), one connecting a rail web (31) and one connecting the rail head (30). The welding zones (22 to 25) are connected positively in contact regions (33 to 36) turned directly into one another. In addition, the welding zone (22) in the rail head (30) consists of fewer than 15 mutually adjacent, approximately parallel-running welding beads (26) which are melted into one another and preferably lie one above another. The welding zone (24, 25) in the rail foot (32) consists of fewer than 10 mutually adjacent, approximately parallel welding beads (28, 29) which are melted into one another. <IMAGE>

IPC 1-7

**E01B 11/50**

IPC 8 full level

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CPC (source: EP US)

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Cited by

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