

Title (en)
RAIL THERMAL TREATMENT PROCESS.

Title (de)
VERFAHREN ZUM WÄRMEBEHANDELN VON SCHIENEN.

Title (fr)
PROCEDE DE TRAITEMENT THERMIQUE DE RAILS.

Publication
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Application
EP 93914544 A 19930709

Priority
• AT 145592 A 19920715
• AT 9300116 W 19930709

Abstract (en)
[origin: WO9402652A1] A process is disclosed for thermally treating rails, in particular rails heads, according to which the rails are cooled in a synthetic additive-containing cooling medium from temperatures above 720 °C. In order to prevent the stem of the rail from hardening while maintaining optimum cooling speeds for the rail head, immersion in the cooling medium is continued until a surface temperature between 450 °C and 550 °C is obtained after drawing the submerged areas of the rails without temperature equalization over the whole cross section.

Abstract (fr)
Selon un procédé de traitement thermique de rails, notamment de champignons de rails, ceux-ci sont refroidis dans un agent de refroidissement contenant un additif synthétique à partir de températures supérieures à 720 °C. Afin d'éviter un durcissement par trempe de l'âme du rail tout en assurant des vitesses optimales de refroidissement du champignon du rail, le traitement par immersion dans l'agent de refroidissement se poursuit jusqu'à obtenir après étirement des zones immergées une température superficielle comprise entre 450 °C et 550 °C sans équilibrage de la température sur toute la section transversale.

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