

Title (en)
Process and apparatus for hardening rails

Title (de)
Verfahren und Einrichtung zum Härten von Schienen

Title (fr)
Procédé et dispositif pour le durcissement de rails

Publication
EP 1160341 B1 20051012 (DE)

Application
EP 01890152 A 20010522

Priority
AT 9392000 A 20000529

Abstract (en)
[origin: EP1160341A2] Process for hardening rails or a rail head comprises: leveling the rails in the austenitic state; and horizontally positioning and clamping to prevent bending. While maintaining the clamping position, the rails and/or a part of the rail cross-section are partially cooled from a temperature which lies above the Ac3 point of the alloy converting the structure from an austenitic structure to a room temperature stable microstructure. An Independent claim is also included for a device for hardening rails or a rail head comprising a rail supporting device formed as a support (2) with a longitudinal extension corresponding to the rail with positioning elements (3) and detachable clamps (4) for holding the rail.

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