

Title (en)
METHOD AND APPARATUS FOR STRAIGHTENING A RAIL IN A ROLLER STRAIGHTENING MACHINE

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EP 0234204 A3 19890830 (DE)

Application
EP 87100231 A 19870110

Priority
DE 3605648 A 19860221

Abstract (en)
[origin: EP0234204A2] In this method, the rail, during its passage through the top and bottom rollers arranged offset relative to one another, is repeatedly subjected to opposed bending deformations (maxima, minima) by alternate individual bending via head and foot. According to the invention, the rail is bent in such a way via the rail head during the passage and the maxima and minima are matched to one another in such a way that the rail runs with a constant end curvature having a radius of 15 to 60 m into the last straightening triangle in which this curvature is bent again into a straight line. This straightening method ensures that the rail is virtually free of longitudinal internal tensile stresses on the rail-foot side. The rail is thereby given better fracture resistance and fatigue strength. <IMAGE>

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