

Title (en)

Method and rolling mill for precision rolling wire or stock having a circular cross-section

Title (de)

Verfahren und Walzwerk zum Präzisionswalzen von Draht bzw. von Walzgut mit Rundquerschnitt

Title (fr)

Procédé et laminoir pour le laminage de précision de fil respectivement de produit laminé à section circulaire

Publication

EP 0560115 B1 19970618 (DE)

Application

EP 93102809 A 19930224

Priority

DE 4207298 A 19920307

Abstract (en)

[origin: US5682785A] A roll mill and method for rolling wires or rolling stock having a round cross-section and made from high grade steel or other alloyed steel in a high production-light section/wire mill is disclosed. By the invention, the tightest wire tolerances to roll the rolling stock in a temper roll block of the roll mill with a distinctly lower pass reduction compared to the reduction passes performed in the finishing roll block of the wire mill is achieved. The wire mill comprises a break-down train comprising respectively several roll stands or roll units, at least one intermediate train with adjoining or subsequent finishing train, wherein the finishing train is, in particular, configured as the finishing roll block. A temper roll block, comprising at least two stands is disposed downstream of the finishing roll block, and a cooling path 13 and/or a temperature compensation device 14 is, if needed, disposed between the finishing roll block and the temper roll block. In order to be able to utilize the temper roll block as a precision roll block, the temper roll block is provided with a shifting gear box for shifting same to a reroll or precision rolling operation.

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CPC (source: EP US)

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Cited by

EP0845310A1; US5907967A; DE10032833B4; EP0694345A1; US5666843A; US6216517B1; WO2006050680A1; WO9925499A1; WO2006097317A1; US6327885B1

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