

Title (en)
Method of rolling flat material and strips

Title (de)
Verfahren zum Walzen von Flachmaterial und Band

Title (fr)
Procédé pour laminier des produits plats et des bandes

Publication
EP 0891821 A3 20020529 (DE)

Application
EP 98250208 A 19980615

Priority
DE 19730262 A 19970709

Abstract (en)
[origin: DE19730262C1] Rolling of flat material and strip in a roll stand with work and support rolls, as well as with vertical cylinder piston units for roll balancing and flexure, comprises: (a) with the roll gap open, these units press the work rolls against the support rolls for positive and negative flexure; (b) the negative flexure force is chosen so that a required correction of the roll gap contour is achieved under load; (c) the positive bending and balancing force is increased accordingly; (d) as the material to be rolled enters, the roll gap is further opened, and the required balancing force is automatically provided by the rolling force; and (e) as the rolled material leaves, the roll gap is reduced and the cylinder-piston units for positive flexure automatically provide the balancing force.

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IPC 8 full level
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CPC (source: EP US)
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Citation (search report)

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- [A] DE 3728795 A1 19890309 - MANNESMANN AG [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 004, no. 158 (M - 039) 5 November 1980 (1980-11-05)
- [A] DATABASE WPI Section Ch Week 198434, Derwent World Patents Index; Class M21, AN 1984-212560, XP002195081
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 003 (M - 349) 9 January 1985 (1985-01-09)

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