

Title (en)

Rolling mill stand for rolling off strip material with different widths.

Title (de)

Walzgerüst zum Auswalzen von Bandmaterial unterschiedlicher Breite.

Title (fr)

Cage de laminage pour le laminage de feuillard à largeur différente.

Publication

EP 0102014 A1 19840307 (DE)

Application

EP 83107989 A 19830812

Priority

DE 8223755 U 19820823

Abstract (en)

[origin: US4548064A] A rolling stand including a pair of working rolls and associated backing rolls, the working rolls defining a nip through which a strip can be advanced in a succession of passes forming a single run, so that with each pass the thickness and widths of the strip are reduced. The working rolls have end regions projecting laterally beyond the longitudinal edges of the strip, and machining devices are provided on the frame of the stand to reduce the diameters of the projecting end regions of the working rolls after each pass during a single run so that the working rolls only contact the respective backing rolls along a distance equal generally to the strip width. Each machining devices includes a support carrying a material-removing tool engageable with the juxtaposed end region of a respective run of the working rolls, each support being pivotable about the respective backing-roll axis and linearly displaceable along the respective working-roll end region to enable the respective tool to be moved both perpendicularly and parallel to the axis of the working roll. Respective stop elements pivotable about pivot axes parallel to the working-roll axes carry eccentric stops which are engageable with the tool supports to define the radially innermost end positions of the supports.

Abstract (de)

Zum Auswalzen von Bandmaterialquerschnitten unterschiedlicher Breite werden die Ballen der Arbeitswalzen in ihren über die jeweilige Querschnittsbreite hinausragenden Längenbereichen durch Abtragen von Material in ihrem Durchmesser verringert und dadurch am Ballenumfang gegeneinander und geneüber den Ballenflächen der Stützwalzen freigestellt. Zur Abtragsabarbeitung sind mindestens den Arbeitswalzen (52', 52'') einerseits parallel und andererseits quer zur Walzenachse verlagerebare Abtragsvorrichtungen (59,60) zugeordnet, die jeweils um die Längsachse der Stützwalzen durch Stellvorrichtungen (63, 64) schwenkbar und gegen den Umfang der Walzenballen (55', 55'') der Arbeitswalzen (52', 52'') anstellbar sind. Zwischen den Ständern sind den Abtragsvorrichtungen (59, 60) Exzentrerscheiben (66) als um parallel zu den Walzenachsen gerichtete Achsen (65) verdrehbare Begrenzungsanschlätze für die Anstellbewegung zugeordnet.

IPC 1-7

B21B 28/04

IPC 8 full level

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CPC (source: EP US)

B21B 28/04 (2013.01 - EP US); **B21B 2261/06** (2013.01 - EP US); **B21B 2267/24** (2013.01 - EP US); **Y10T 29/5102** (2015.01 - EP US)

Citation (search report)

- GB 1395973 A 19750529 - SCHLOEMANN AG
- DE 1037804 B 19580828 - E H OSKAR WALDRICH DR ING
- DE 887787 C 19530827 - SCHLOEMANN AG

Cited by

DE4105079A1; DE4409300A1

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