

Title (en)

Method and device for the operation of a band rolling mill.

Title (de)

Verfahren und Vorrichtung zum Betrieb eines Bandwalzwerkes.

Title (fr)

Procédé et dispositif pour le fonctionnement d'un laminoir de bande.

Publication

EP 0019239 A1 19801126 (DE)

Application

EP 80102588 A 19800509

Priority

DE 2918792 A 19790510

Abstract (en)

1. A method to operate a rolling mill, especially a strip rolling mill, comprising-for example-several two-high or four-high roll stands arranged in sequence, whereby the chocks of equal design are provided with at least one positioning means (7) arranged at both sides of the rolling gap and laterally installed at the roll center line, by means of which-prior to the rolling force having become effective, the roll chocks are pressed in a clearance-free, defined manner against the side columns of the roll housings in the direction of the transverse force component, characterized in that the positioning means (7) are arranged within the roll housing (1) and, in the case of the two-high roll stands, are connected to the chocks of these roll stands ; however, in the case of four-high roll stands, the positioning means (7) are connected to the chocks (3) of the backup rolls (2), and that the positioning means (7) act in such as to effect clearance-free contact of above mentioned chocks with the side faces (6a) of the housing windows (6), whereby the positioning cylinders (7) have been de-energized for the rolling process, and so the defined positioning of above mentioned chocks is maintained solely by the force obtained from the rolling process.

Abstract (de)

Verfahren zum Betrieb eines Walzwerkes, insbesondere eines Bandwalzwerkes, bei dem die Einbaustücke (3) von Walzen (2) vor dem Auftreten der Walzkraft in Richtung der zu erwartenden Horizontalkomponente dieser Walzkraft spielfrei gegen eine Ständerseite (6a) gedrückt werden, wonach die äußere Druckkraft weggenommen und durch die Horizontalkomponente ersetzt wird, so daß die Walzen (2) stets in einer definierten Relativlage zu einer Vertikalebene stehen. Die Vorrichtung zur Durchführung des Verfahrens umfaßt mindestens einen hydraulischen Stellzylinder (7) seitlich eines jeden seitenspielfrei zu machenden Einbaustückes (3).

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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