

Title (en)

ROLLING STAND FOR PRODUCING ROLLED STRIP OR SHEET

Title (de)

WALZGERÜST ZUR HERSTELLUNG VON WALZBAND ODER BLECH

Title (fr)

CAGE DE LAMINOIR POUR LA FABRICATION DE BANDE LAMINÉE OU DE TÔLE

Publication

EP 2026915 B2 20170927 (DE)

Application

EP 07725994 A 20070613

Priority

- EP 2007005217 W 20070613
- AT 10212006 A 20060614

Abstract (en)

[origin: US8881569B2] A rolling mill stand for the production of rolled strip or sheet metal includes working rolls which are supported on respective supporting rolls or on intermediate rolls which are supported on supporting rolls. At least one of the rolls having a barrel contour which runs over the entire effective barrel length and can be described by a non-linear function. The barrel contour of this at least one roll having chamfers in at least one of the marginal regions of its longitudinal extent and the chamfers forming a corrected barrel contour in these marginal regions, so that inhomogeneities in the load distribution along the contact line of two adjacent rolls, and in particular in the region of the edges of the strip, are minimized. The corrected barrel contour is obtained by subtracting any non-linear mathematical chamfer function from the contour function described by the non-linear function, so that the pitch of the barrel contour and the pitch of the corrected barrel contour at a transition point from the barrel contour to the corrected barrel contour are identical.

IPC 8 full level

B21B 13/14 (2006.01)

CPC (source: EP US)

B21B 13/142 (2013.01 - EP US); **B21B 27/021** (2013.01 - EP US); **B21B 2013/025** (2013.01 - EP US); **B21B 2013/028** (2013.01 - EP US); **B21B 2027/022** (2013.01 - EP US)

Citation (opposition)

Opponent :

JP S5956905 A 19840402 - KAWASAKI STEEL CO

Cited by

WO2018095655A1; CN109996650A; DE102016222987A1

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