

Title (en)
ROLLING MILL FOR MECHANICAL PRE-DE-SCALING OF STEEL BAND

Publication
EP 0228691 B1 19910807 (DE)

Application
EP 86117915 A 19861222

Priority
DE 3600143 A 19860107

Abstract (en)
[origin: US4831854A] The rolling mill for mechanical descaling of hot rolled steel is constructed according to the slidable roll process with reducing rolls so that a uniform operation with different and/or changing shape steel strips can obtained. This is attained when the rolling mill has at least two rolls slidable in opposite directions whose body surfaces are constructed with S-shape contours positioned inversely to each other so that these contours compliment each other flawlessly in one certain axial relative position. When sliding the rolls in opposite directions in one case the contour is decreased in the center region of the steel strip and when slid in the opposite directions in the other case the contour is increased in the center region. Thus the rolls can be adjusted to fit a gently convex steel strip profile by axially sliding the rolls in opposite directions as also rolled strips with a thickness centrally reduced in comparison to that of the edge regions can by appropriate sliding of the rolls opposite each other.

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IPC 8 full level
B21B 1/22 (2006.01); **B21B 45/06** (2006.01); **B21B 13/14** (2006.01)

CPC (source: EP US)
B21B 45/06 (2013.01 - EP US); **B21B 13/142** (2013.01 - EP US); **Y10T 29/4517** (2015.01 - EP US); **Y10T 409/3042** (2015.01 - EP US)

Cited by
EP0263334A3; EP0835697B2

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EP 0228691 A1 19870715; EP 0228691 B1 19910807; AT E65949 T1 19910815; CN 87100084 A 19870812; DE 3600143 A1 19870709; DE 3680776 D1 19910912; JP S62158519 A 19870714; US 4831854 A 19890523

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