Title (en)

ROLL BENDING CONTROL IN A ROLLING MILL WITH AXIALLY SHIFTABLE ROLLS

Publication

EP 0238377 B1 19900418 (FR)

Application

EP 87400319 A 19870212

Priority

FR 8602044 A 19860214

Abstract (en)

[origin: US4773246A] A rolling mill with axially movable rolls, comprising a supporting frame (4), at least two working rolls (1, 1') and at least two back-up rolls (2, 2'), at least one of the working rolls (1) being associated with means (42) for moving the roll (1) along its axis (10) and, for each chock (3), with two symmetrical sets of at least two bending jacks (6, 66). The offset of the roll (1) in relation to a centering position is measured continuously, and the pressure exerted by each bending jack (6) is adjusted at each moment as a function of the offset measured and of the position at the same moment of the particular jack (6) in relation to the mid-plane (P5) of a bearing (12), such that the resultant of the bending forces exerted by all the jacks (6, 66) remains directed at each moment in the mid-plane (P5) of the bearing (12), the bending jacks bearing on the chocks by sliding faces.

IPC 1-7

B21B 29/00; B21B 37/00

IPC 8 full level

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CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

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