

Title (en)
Rolling stand with back-up rolls and work rolls

Title (de)
Walzgerüst mit Stütz- und Arbeitswalzen

Title (fr)
Cage de laminoir à cylindres d'appui et de travail

Publication
EP 0808673 B1 20010530 (DE)

Application
EP 97250147 A 19970429

Priority
DE 19622305 A 19960520

Abstract (en)
[origin: DE19622305C1] The rolling mill has a vertical stand of four rolls, two of which are working (3a,b) and two are support (2a,b) rolls, mounted on four upright columns (5). Each end of each working roll is carried in a floating bearing housing (8) which is located and moved by an opposing pair of beams (9), which pivot between bearing blocks (16) and slide within limits of a slot (17) and pin (12) at the pivot. Movement and positional control is provided by hydraulic cylinders (19,21) which can move the axis of each working roll parallel to, or skewed relative to the vertical plane through the support roll axes, and can force the working roll against its support roll, so that when the axis is skewed, a controlled bend can be generated in the working roll.

IPC 1-7
B21B 13/02; **B21B 29/00**

IPC 8 full level
B21B 13/02 (2006.01); **B21B 29/00** (2006.01); **B21B 31/28** (2006.01)

CPC (source: EP US)
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