

Title (en)

Bending device for rolling stands with four or more cylinders

Title (de)

Biegevorrichtung für Vier- oder Mehrwalzengerüste

Title (fr)

Dispositif de cambrage pour cages de laminoir à quatre cylindres ou plus

Publication

**EP 0937516 A3 19991027 (DE)**

Application

**EP 98250389 A 19981105**

Priority

DE 19807785 A 19980218

Abstract (en)

[origin: US6112569A] A bending device for a rolling mill having four-high or multi-roll stands having working rolls with bearing chucks, support rolls and, as applicable, intermediate rolls arranged between the working rolls and the support rolls. First bending blocks that act bilaterally on each bearing chuck of the working rolls are run vertically in windows of the roll stand. Vertically opposite of the first bending blocks of each working roll pair are movable toward and away from each other via first piston-cylinder units. A second vertically movable bending block is movable independently of the first bending blocks via a second piston-cylinder unit supported on the roll stand so that the second bending block thereby acts bilaterally on each bearing chuck

IPC 1-7

**B21B 29/00**

IPC 8 full level

**B21B 29/00** (2006.01); **B21B 31/20** (2006.01)

CPC (source: EP US)

**B21B 29/00** (2013.01 - EP US); **B21B 31/203** (2013.01 - EP US)

Citation (search report)

- [DA] EP 0768125 A1 19970416 - SCHLOEMANN SIEMAG AG [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 135 (M - 386) 11 June 1985 (1985-06-11)
- [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 392 (M - 865) 30 August 1989 (1989-08-30)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**US 6112569 A 20000905**; DE 19807785 C1 19990304; EP 0937516 A2 19990825; EP 0937516 A3 19991027

DOCDB simple family (application)

**US 25104299 A 19990218**; DE 19807785 A 19980218; EP 98250389 A 19981105