Title (en)

SIX-HIGH MILL

Publication

EP 0154896 B1 19900502 (DE)

Application

EP 85102211 A 19850228

Priority

- DE 3409162 A 19840313
- DE 3503756 A 19850205

Abstract (en)

[origin: US4712416A] A six-high rolling stand has a pair of upper and lower working rolls defining a nip, a pair of upper and lower inner backup rolls vertically flanking and bearing on the working rolls, a pair of upper and lower outer backup rolls vertically flanking and bearing on the inner backup rolls, a frame, and respective journal blocks carrying the rolls in the frame and supporting the rolls therein for rotation about respective axes that are all substantially parallel with the outer roll axes at least defining a vertical plane. A drive is connected directly to the outer backup rolls for oppositely rotating same and the upper and lower rolls vertically engage one another so that the rotation of the outer backup rolls is transmitted through the inner backup rolls to the working rolls. Actuators braced between some of the journal blocks and the frame for vertically displacing at least some of the rolls horizontally perpendicular to the plane. These actuators are braced between the journal blocks of the inner backup rolls and the frame for displacing the inner rolls and the respective axes horizontally perpendicular to the plane to a position offset horizontally therefrom.

IPC 1-7

B21B 13/14; B21B 31/16

IPC 8 full level

B21B 13/14 (2006.01); **B21B 29/00** (2006.01); **B21B 31/16** (2006.01); B21B 13/02 (2006.01); B21B 31/20 (2006.01)

CPC (source: EP US)

B21B 13/14 (2013.01 - EP US); B21B 29/00 (2013.01 - EP US); B21B 2013/028 (2013.01 - EP US); B21B 2031/206 (2013.01 - EP US)

Cited by

EP2572808A1; DE3811847A1; CN103212579A; DE102008032522A1; DE102008032524A1; EP3130408B1

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