

Title (en)

ROLLING STAND FOR SUPPORTING WORK ROLLS BY MEANS OF SUPPORTING ROLLERS

Publication

EP 0143166 B1 19880504 (DE)

Application

EP 84108263 A 19840713

Priority

DE 3335857 A 19831003

Abstract (en)

[origin: US4563888A] A roll stand has a frame having two sides spaced apart transversely of a workpiece travel direction and formed with throughgoing windows and a pair of vertically spaced traverses extending between the frame sides. Two outer backup rolls centered on parallel axes transverse to the direction having journal blocks vertically displaceable and guided in the windows of the frame sides. Upper and lower guide elements vertically displaceable in the windows between the outer-roll blocks carry the journal blocks of two inner backup rolls. Pairs of positioning actuators in the windows vertically between the inner-roll blocks carry supports which carry second upper and lower guide elements vertically displaceable on the supports. The positioning actuators are expansible and contractile to displace the second guide elements in the direction. Two working rolls between and parallel to the other roll axes each have two journal blocks fitted to and axially slidable in the second guide elements. An insert carried in the traverses carries rows of bracing rollers which extend axially along the working rolls between same and the traverses. The insert, bracing rollers, and upstream positioning actuators form an integral bracing unit and at least one of the windows is shaped such that the bracing unit can be withdrawn axially through the frame side. Rows of bracing actuators braced in the direction between the rollers and the traverses can press the rollers opposite to the direction against the working rolls.

IPC 1-7

B21B 13/14; **B21B 31/08**

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

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