

Title (en)  
AXIAL SHIFTING DEVICE FOR THE WORK ROLLS OF A FLAT MATERIAL ROLLING STAND

Publication  
**EP 0231875 A3 19890419 (DE)**

Application  
**EP 87101183 A 19870128**

Priority  
DE 3603693 A 19860206

Abstract (en)  
[origin: US4848128A] A roll stand has a stationary frame having a drive side and a service side, upper and lower working rolls having axially opposite ends at the sides, respective pairs of upper and lower journal blocks coupled with the ends of the rolls at the sides and a drive connected to the working-roll ends at the drive side for oppositely rotating the working rolls. Respective upper and lower pusher bodies are provided adjacent the journal blocks in the frame and respective upper and lower guides in the frame support the bodies for displacement of same only axially in the frame. Respective pairs of formations at least one of which is vertically elongated couple each of the bodies to the respective block for joint axial displacement while permitting relative vertical nonaxial displacement between the bodies and the respective blocks. One of the pusher bodies can be pushed axially with the respective journal block and roll in the frame and racks are formed on the pusher bodies in mesh with a service-side gear that is supported on the frame for rotation on the service side about a stationary axis perpendicular to the racks and nonmovable on the frame so that axial displacement of one of rolls with the respective rack rotates the gear and axially oppositely displaces the other working roll regardless of the relative vertical positions of the rolls.

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IPC 8 full level  
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CPC (source: EP US)  
**B21B 13/142** (2013.01 - EP US); **B21B 31/18** (2013.01 - EP US)

Citation (search report)  
• [Y] US 2279415 A 19420414 - AARON SIMONS  
• [YD] DE 3331055 A1 19850314 - SCHLOEMANN SIEMAG AG [DE]  
• [A] DE 955131 C 19561227 - SENDZIMER TADEUSZ [US]  
• [AD] DE 2260256 A1 19730620 - HITACHI LTD  
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