

Title (en)  
ROLL STAND

Publication  
**EP 0059417 B1 19850102 (DE)**

Application  
**EP 82101364 A 19820223**

Priority  
• DE 3107693 A 19810228  
• DE 3122128 A 19810604

Abstract (en)  
[origin: US4543810A] A roll stand has a frame in which upper and lower working rolls are journaled for rotation about respective parallel upper and lower working-roll axes and defining a workpiece nip. Respective upper and lower backup-roll guide elements vertically flank the working rolls and are each at least partially vertically displaceable relative to the frame. Respective upper and lower backup-roll journal blocks are axially displaceable but vertically fixed relative to the guide elements and define parallel upper and lower inner axes flanking the working axes. Respective inner backup rolls are journaled in the blocks for rotation about the inner axes and bear radially toward the nip on the working rolls. The inner backup rolls are therefore axially displaceable in the guide elements. A pair of outer backup rolls are journaled in the frame for rotation about outer axes coplanar with the respective inner axes and bear radially toward the nip on the inner backup rolls. Respective vertically effective actuators exert a force at least generally parallel to the planes between each journal block and the frame to bend the inner backup rolls and for displacing the force axially relative to the journal blocks.

IPC 1-7  
**B21B 29/00**; **B21B 13/14**; **B21B 31/18**

IPC 8 full level  
**B21B 13/14** (2006.01); **B21B 29/00** (2006.01); **B21B 31/18** (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 31/18** (2013.01 - EP US); **B21B 13/145** (2013.01 - EP US); **B21B 2013/028** (2013.01 - EP US); **B21B 2031/206** (2013.01 - EP US)

Citation (examination)  
• BR 7608285 A 19771129 - HITACHI LTD  
• EP 0026903 A1 19810415 - HITACHI LTD [JP]

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Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0059417 A1 19820908**; **EP 0059417 B1 19850102**; DE 3261730 D1 19850214; US 4543810 A 19851001; US 4615202 A 19861007

DOCDB simple family (application)  
**EP 82101364 A 19820223**; DE 3261730 T 19820223; US 67837184 A 19841205; US 76536685 A 19850813