

Title (en)  
UNIVERSAL ROLLING MILL STAND WITH ADJUSTABLE HORIZONTAL AND VERTICAL ROLLS

Publication  
**EP 0291719 B1 19920729 (DE)**

Application  
**EP 88106436 A 19880422**

Priority  
DE 3716501 A 19870516

Abstract (en)  
[origin: US4944175A] A universal rolling mill stand with adjustable sets of horizontal rolls and vertical rolls guided in window-type recesses of the roll housings. Each roll housing is formed by a pair of housing posts with cross-members connected by means of transverse supports. The bearing chocks of the set of horizontal rolls are vertically movable between the housing posts of the respective pair of housing posts and the bearing chocks of the set of vertical rolls are moved horizontally between outwardly cantilevering attachments of the pairs of housing posts. The upper cross-members connecting the pairs of housing posts can be raised and swung horizontally. A frame-type cage having plate-like wall members is connectible to lifting devices. The outer surfaces of the wall members of the cage are guided on guide surfaces of the housing posts of pairs of housing posts which face each other. The cage is vertically and horizontally movable with the mill stand and can be installed and removed from the rolling mill stand. The inner surfaces of the wall members of the cage form guide surfaces for adjustment movements of the bearing chucks of one or more of the rolls. The bearing chocks are supported by the cage and/or can be coupled to each other so that one is suspended from the other.

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**B21B 13/10; B21B 31/10**

IPC 8 full level  
**B21B 13/06** (2006.01); **B21B 13/10** (2006.01); **B21B 31/08** (2006.01); **B21B 31/10** (2006.01); **B21B 31/12** (2006.01); **B21B 31/26** (2006.01)

CPC (source: EP KR US)  
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Citation (examination)  
DE 911602 C 19540517 - SIEMAG VERTRIEBSGESELLSCHAFT

Cited by  
AU613283B1; CN102189115A; EP0557874A1; US5327761A; DE3834587A1; EP0363731A3; US5050415A; EP0531676A1; US5457979A; EP0408281B1

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