

Title (en)
Universal rolling stand.

Title (de)
Universal-Walzgerüst.

Title (fr)
Cage de laminoir universel.

Publication
EP 0556631 B1 19950920 (DE)

Application
EP 93101593 A 19930202

Priority
DE 4204983 A 19920219

Abstract (en)
[origin: US6305205B1] A universal rolling mill stand with horizontal and vertical rolls, adjustably supported in two parallel roll posts is disclosed. The universal rolling mill stand enables a simple construction and operational process if the horizontal rolls are received, without the help of installation pieces in bearings disposed in the roll posts 3, operator side roll post with the bearings face away from the drive elements and can be moved away in rolling axis direction of the horizontal rolls, from the other roll post. Vertical rolls, supported in adapters, are slid into guide frames solidly connected with the roll posts.

IPC 1-7
B21B 13/10; **B21B 31/10**

IPC 8 full level
B21B 13/10 (2006.01); **B21B 31/00** (2006.01); **B21B 31/02** (2006.01); **B21B 31/08** (2006.01); **B21B 31/10** (2006.01); **B21B 27/03** (2006.01); **B21B 31/04** (2006.01); **B21B 31/26** (2006.01); **B21B 39/16** (2006.01)

CPC (source: EP KR US)
B21B 13/10 (2013.01 - EP KR US); **B21B 31/02** (2013.01 - KR); **B21B 31/10** (2013.01 - EP US); **B21B 31/26** (2013.01 - KR); **B21B 27/03** (2013.01 - EP US); **B21B 31/04** (2013.01 - EP US); **B21B 31/26** (2013.01 - EP US); **B21B 39/16** (2013.01 - EP US); **B21B 2013/106** (2013.01 - EP US); **B21B 2031/023** (2013.01 - EP KR US); **B21B 2203/06** (2013.01 - EP KR US); **B21B 2203/36** (2013.01 - EP US)

Citation (examination)
EP 0531676 A1 19930317 - SIMAC SPA [IT]

Cited by
EP0949017A3; EP0719601A1; EP0857522A1

Designated contracting state (EPC)
AT DE ES FR GB IT SE

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US 6305205 B1 20011023; AT E128048 T1 19951015; CA 2089811 A1 19930820; CN 1042402 C 19990310; CN 1076144 A 19930915; DE 4204983 A1 19930826; DE 59300605 D1 19951026; EP 0556631 A1 19930825; EP 0556631 B1 19950920; ES 2079216 T3 19960101; JP 3263461 B2 20020304; JP H05337512 A 19931221; KR 930017637 A 19930920; KR 960006017 B1 19960508

DOCDB simple family (application)
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