

Title (en)

Multipart roll stand

Title (de)

Mehrteiliges Walzgerüst

Title (fr)

Cage de laminoir à plusieurs parties

Publication

EP 0703016 B1 19980225 (DE)

Application

EP 95114356 A 19950913

Priority

DE 9415429 U 19940923

Abstract (en)

[origin: US5802904A] A universal roll stand includes two vertical housings each being composed of a single piece, upper and lower transverse girders arranged above and below the vertical housings and lateral support projections for receiving vertical rolls. Tie rods are guided by the vertical housings and the transverse girders. Crossheads are insertable into recesses of the lateral support projections. A rigid universal stand is formed by connecting and screwing together the two vertical housings through the crossheads and the upper and lower transverse girders with the tie rods.

IPC 1-7

B21B 31/04; **B21B 31/02**

IPC 8 full level

B21B 13/08 (2006.01); **B21B 31/00** (2006.01); **B21B 31/02** (2006.01); **B21B 31/04** (2006.01); **B21B 13/10** (2006.01)

CPC (source: EP KR US)

B21B 13/10 (2013.01 - KR); **B21B 31/02** (2013.01 - KR); **B21B 31/04** (2013.01 - EP US); **B21B 31/02** (2013.01 - EP US); **B21B 2013/106** (2013.01 - EP KR US)

Cited by

DE19816319C1; US6062057A; EP0949017A3; US7434436B2; WO2005061138A1

Designated contracting state (EPC)

AT DE ES FR GB IT SE

DOCDB simple family (publication)

US 5802904 A 19980908; AT E163372 T1 19980315; CA 2158699 A1 19960324; CN 1064565 C 20010418; CN 1129153 A 19960821; DE 59501483 D1 19980402; DE 9415429 U1 19941215; EP 0703016 A2 19960327; EP 0703016 A3 19960612; EP 0703016 B1 19980225; JP H08108203 A 19960430; KR 960010100 A 19960420

DOCDB simple family (application)

US 53104095 A 19950920; AT 95114356 T 19950913; CA 2158699 A 19950920; CN 95118603 A 19950922; DE 59501483 T 19950913; DE 9415429 U 19940923; EP 95114356 A 19950913; JP 24294695 A 19950921; KR 19950031514 A 19950923