

Title (en)
ROLLING STAND

Title (de)
WALZGERÜST

Title (fr)
CAGE DE LAMINOIR

Publication
EP 1212153 B1 20031105 (DE)

Application
EP 00948020 A 20000801

Priority
• DE 19944612 A 19990917
• EP 0007431 W 20000801

Abstract (en)
[origin: US7104101B1] The invention relates to a roll stand comprising a pair of work rolls 1, 2 for rolling a metal strip B, comprising back-up rolls 8, 9, 10, 11 which provide lateral support to their respectively allocated work rolls 1, 2, with support force directed towards the work rolls 1, 2 being able to be applied to said back-up rolls by means of a force generation device, and comprising support rolls or intermediate rolls 3, 4 which are borne by a chock which can be slid into the roll stand W 1, W 2 in the direction of the longitudinal axis of said chock 7, and wherein said chock can be withdrawn from said roll stand, with each support roll or intermediate roll supporting an associated work roll 1, 2 in a direction which is essentially perpendicular to the direction of movement of the metal strip B. In such a roll stand, changing of the rolls can be carried out more quickly and easily in that the back-up rolls 8, 9, 10, 11 can be positioned from an idle position in which they are arranged outside the region where the chock 7 of the support roll or intermediate roll 3, 4 moves during slide-in or withdrawal, to an operating position in which they rest against the work roll 1, 2.

IPC 1-7
B21B 13/14

IPC 8 full level
F16C 13/00 (2006.01); **B21B 13/14** (2006.01); **B21B 29/00** (2006.01); **B21B 31/02** (2006.01); **F16C 13/06** (2006.01); **B21B 31/08** (2006.01)

CPC (source: EP US)
B21B 13/145 (2013.01 - EP US); **B21B 31/08** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 7104101 B1 20060912; AT E253417 T1 20031115; AU 6161300 A 20010424; DE 19944612 C1 20001123; DE 50004357 D1 20031211; EP 1212153 A1 20020612; EP 1212153 B1 20031105; ES 2209923 T3 20040701; JP 2003509217 A 20030311; WO 0121334 A1 20010329

DOCDB simple family (application)
US 8827702 A 20020619; AT 00948020 T 20000801; AU 6161300 A 20000801; DE 19944612 A 19990917; DE 50004357 T 20000801; EP 0007431 W 20000801; EP 00948020 A 20000801; ES 00948020 T 20000801; JP 2001524748 A 20000801