

Title (en)
Multistage rolling millstand.

Title (de)
Vielwalzengerüst.

Title (fr)
Laminoir à cylindres multiples.

Publication
EP 0445566 B1 19931215 (DE)

Application
EP 91102303 A 19910219

Priority
DE 4007096 A 19900307

Abstract (en)
[origin: EP0445566A1] The invention relates to cluster-type roll stand for a plurality of upper and lower back-up rollers which are each supported by supporting saddles on parallel supporting recesses (7-14) in the top part (1) and bottom part (2) of the stand. The arrangement here is such that the total supporting force of each set of supporting saddles is distributed over the surface of the supporting recesses (7, 14). In order to reduce the manufacturing outlay and to make possible subsequent correction of the position of the supporting saddles in a simple manner in the event of varying dimensional tolerances or after wear, each supporting recess (7-14) consists of just two flat supporting surfaces arranged at an angle to each other, each taking part of the supporting force. <IMAGE>

IPC 1-7
B21B 31/02; **B21B 29/00**

IPC 8 full level
B21B 13/14 (2006.01); **B21B 29/00** (2006.01); **B21B 31/02** (2006.01); **B21B 31/20** (2006.01)

CPC (source: EP)
B21B 13/147 (2013.01); **B21B 31/02** (2013.01); **B21B 2203/36** (2013.01)

Cited by
US2010251793A1; US8127584B2

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

DOCDB simple family (publication)
EP 0445566 A1 19910911; **EP 0445566 B1 19931215**; AT E98531 T1 19940115; DE 4007096 A1 19910912; DE 4007096 C2 19920409; DE 59100703 D1 19940127; DE 9007560 U1 19920820; JP 2992103 B2 19991220; JP H04262809 A 19920918

DOCDB simple family (application)
EP 91102303 A 19910219; AT 91102303 T 19910219; DE 4007096 A 19900307; DE 59100703 T 19910219; DE 9007560 U 19900307; JP 3883891 A 19910306