

Title (en)
ROLLING DEVICE

Title (de)
WALZVORRICHTUNG

Title (fr)
DISPOSITIF DE LAMINAGE

Publication
EP 1648626 B1 20071114 (DE)

Application
EP 04763370 A 20040721

Priority
• EP 2004008129 W 20040721
• DE 10334727 A 20030730

Abstract (en)
[origin: WO2005011884A1] The invention relates to a rolling device (1) comprising two working rollers (2) which are respectively mounted in a roll stand (4) by means of working roller inserts (3). The working roller inserts (3) in the roll stand (4) can be locked and unlocked by means of at least one working roller locking device (5). At least two other rollers (6), especially two support rollers are respectively mounted in the roll stand by means of other inserts (7); the position of at least one of the working rollers (2) and at least one of the other rollers (6) in the roll stand (4) can be adjusted, especially in a vertical direction, in relation to the other working roller (2) or other roller (6) in order to adjust the desired rolling gap. The working rollers (2) are provided with means (8) for axial displacement, enabling the working rollers (2) to be placed in a desired axial position in relation to the roll frame (4) and maintained in said position. The working rollers (2) are actively connected to bending means (9) so that they can be impinged upon by a bending moment. In order to improve the adjustability of the rolling device to achieve a high rise, the axial displacement means (8) are arranged or operate between the roll stand (4) and the working roller locking device (5) and the bending means (9) are disposed or operate between the working roller insert (3) and the other working roller insert (7).

IPC 8 full level
B21B 29/00 (2006.01); **B21B 31/18** (2006.01)

CPC (source: EP KR US)
B21B 29/00 (2013.01 - EP KR US); **B21B 31/18** (2013.01 - EP KR US); **B21B 2269/00** (2013.01 - KR); **B21B 2269/02** (2013.01 - KR)

Cited by
WO2018202404A1; CN110621421A; DE102019200005A1; WO2020141033A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005011884 A1 20050210; AT E378118 T1 20071115; AU 2004261384 A1 20050210; AU 2004261384 B2 20100225; BR PI0413108 A 20061003; CA 2533693 A1 20050210; CA 2533693 C 20101109; CN 100506413 C 20090701; CN 1832817 A 20060913; DE 10334727 A1 20050224; DE 502004005516 D1 20071227; EP 1648626 A1 20060426; EP 1648626 B1 20071114; ES 2293315 T3 20080316; JP 2007500079 A 20070111; JP 4564008 B2 20101020; KR 101109451 B1 20120131; KR 20060054205 A 20060522; MX PA06001150 A 20060424; RU 2006106200 A 20060710; RU 2346771 C2 20090220; TW 200512051 A 20050401; TW I314880 B 20090921; UA 83056 C2 20080610; US 2007107482 A1 20070517; US 7299673 B2 20071127; ZA 200509783 B 20060927

DOCDB simple family (application)
EP 2004008129 W 20040721; AT 04763370 T 20040721; AU 2004261384 A 20040721; BR PI0413108 A 20040721; CA 2533693 A 20040721; CN 200480022414 A 20040721; DE 10334727 A 20030730; DE 502004005516 T 20040721; EP 04763370 A 20040721; ES 04763370 T 20040721; JP 2006521469 A 20040721; KR 20057025039 A 20040721; MX PA06001150 A 20040721; RU 2006106200 A 20040721; TW 93122505 A 20040728; UA A200602127 A 20040721; US 56631204 A 20040721; ZA 200509783 A 20051202