

Title (en)
ROLLING DEVICE

Title (de)
WALZVORRICHTUNG

Title (fr)
DISPOSITIF DE LAMINAGE

Publication
EP 1436104 A1 20040714 (DE)

Application
EP 02785187 A 20021010

Priority

- DE 10150690 A 20011017
- EP 0211324 W 20021010

Abstract (en)
[origin: WO03033183A1] The invention relates to a rolling device (1) comprising at least two rollers (2;3), which are arranged on a common roll stand (8) and held on lateral spars (9) in vertically displaceable bearings (26), as well as at least one system (11) for axially displacing one of said rollers (2;3). According to the present invention, said system (11) is associated with the vertically displaceable bearings (26) and can move vertically with said bearings.

IPC 1-7
B21B 31/16

IPC 8 full level
B21B 13/14 (2006.01); **B21B 31/16** (2006.01); **B21B 29/00** (2006.01); **B21B 31/02** (2006.01); **B21B 31/18** (2006.01); **B21B 31/07** (2006.01)

CPC (source: EP KR US)
B21B 29/00 (2013.01 - EP US); **B21B 31/16** (2013.01 - KR); **B21B 31/18** (2013.01 - EP US); **B21B 31/02** (2013.01 - EP US);
B21B 31/07 (2013.01 - EP US)

Cited by
CN102164686A; DE102008035702A1; DE102008049179A1; WO2010034481A3; DE102019200005A1; WO2020141033A1

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

DOCDB simple family (publication)
WO 03033183 A1 20030424; AT E286438 T1 20050115; AU 2002350516 B2 20071220; AU 2002350516 B8 20080529; BR 0212933 A 20041013;
BR 0212933 B1 20100810; CA 2463075 A1 20030424; CA 2463075 C 20100817; CN 1272120 C 20060830; CN 1571709 A 20050126;
DE 10150690 A1 20030430; DE 50201971 D1 20050210; EP 1436104 A1 20040714; EP 1436104 B1 20050105; ES 2233872 T3 20050616;
HU 228545 B1 20130328; HU P0401845 A2 20041228; JP 2005505424 A 20050224; JP 4796276 B2 20111019; KR 100879501 B1 20090120;
KR 20050035162 A 20050415; MX PA04003494 A 20040730; PL 202820 B1 20090731; PL 368080 A1 20050321; RU 2004114851 A 20051010;
RU 2295406 C2 20070320; UA 79098 C2 20070525; US 2005056069 A1 20050317; US 7310985 B2 20071225; ZA 200402331 B 20041005

DOCDB simple family (application)
EP 0211324 W 20021010; AT 02785187 T 20021010; AU 2002350516 A 20021010; BR 0212933 A 20021010; CA 2463075 A 20021010;
CN 02820564 A 20021010; DE 10150690 A 20011017; DE 50201971 T 20021010; EP 02785187 A 20021010; ES 02785187 T 20021010;
HU P0401845 A 20021010; JP 2003535962 A 20021010; KR 20047005482 A 20040414; MX PA04003494 A 20021010;
PL 36808002 A 20021010; RU 2004114851 A 20021010; UA 20040503604 A 20021010; US 49308104 A 20040920; ZA 200402331 A 20040325