

Title (en)
Roll for influencing flatness

Title (de)
Walze zur Planlagenbeeinflussung

Title (fr)
Cylindre pour influencer la planéité

Publication
EP 0937515 B1 20030416 (DE)

Application
EP 99102577 A 19990211

Priority
DE 19807115 A 19980220

Abstract (en)
[origin: EP0937515A1] The roll consisting of a rotating roll shell (5) and means for controlling the bending stiffness of the roll shell. a) the stiffness control means take the form of a sliding bearing with a rotatable body (1) whose load-bearing surface (2) corresponding to the loaded zone of the roll shell is a part of a rotationally symmetric body; b), the border line (4) of the load-bearing surface is shaped so that along the circumference of the body (1) the width and/or the position of this surface is variable.

IPC 1-7
B21B 27/05

IPC 8 full level
B21B 27/03 (2006.01); **B21B 13/14** (2006.01); **B21B 27/05** (2006.01); **B21B 13/02** (2006.01)

CPC (source: EP KR US)
B21B 13/02 (2013.01 - KR); **B21B 27/05** (2013.01 - EP KR US); **B21B 2013/025** (2013.01 - EP KR US)

Cited by
EP1179373A3; US8789401B2; DE102010014867A1

Designated contracting state (EPC)
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EP 0937515 A1 19990825; EP 0937515 B1 20030416; AT E237412 T1 20030515; BR 9917373 A 20020611; CA 2262261 A1 19990820; CA 2262261 C 20080708; CN 1113709 C 20030709; CN 1226469 A 19990825; DE 19807115 C1 19990909; DE 59905024 D1 20030522; JP 4778596 B2 20110921; JP H11309502 A 19991109; KR 100581188 B1 20060517; KR 19990072752 A 19990927; RU 2220797 C2 20040110; TW 396065 B 20000701; US 6138487 A 20001031

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