

Title (en)

Method for influencing strip profile in the edge region of a rolled strip

Title (de)

Verfahren zur Beeinflussung der Bandkontur im Kantenbereich eines Walzbandes

Title (fr)

Procédé pour influencer le profil dans la zone des bords d'une bande laminée

Publication

**EP 0876857 A3 20000112 (DE)**

Application

**EP 98108139 A 19980505**

Priority

DE 19719318 A 19970508

Abstract (en)

[origin: EP0876857A2] The method concerns control of the contour of edge zones of a rolled strip, which compensates for the deliterious side effect of a roll with one-ended taper on the body zone of the roll gap. The method involves superposition of a conventional CVC (continuously variable crown) roll grind. The method uses special CVC rolls whose crown is determined by an offline calculation which are used as working rolls (1, 2).

IPC 1-7

**B21B 37/40**; **B21B 27/02**; **B21B 13/14**

IPC 8 full level

**B21B 13/14** (2006.01); **B21B 27/02** (2006.01); **B21B 37/40** (2006.01)

CPC (source: EP KR US)

**B21B 13/142** (2013.01 - EP KR US); **B21B 27/02** (2013.01 - EP US); **B21B 27/021** (2013.01 - KR); **B21B 37/40** (2013.01 - EP KR US); **B21B 2027/022** (2013.01 - KR)

Citation (search report)

- [A] US 4881396 A 19891121 - SEIDEL JUERGEN [DE], et al
- [XA] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 05 31 May 1996 (1996-05-31) & US 5655397 A 19970812 - SATOH KAZUYUKI [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 592 (M - 1502) 28 October 1993 (1993-10-28)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 05 31 May 1996 (1996-05-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 06 31 July 1995 (1995-07-31)
- [A] ROSENTHAL D: "CVC TECHNOLOGY ON HOT AND COLD STRIP ROLLING MILLS", CAHIERS D'INFORMATIONS TECHNIQUES DE LA REVUE DE METALLURGIE,FR,REVUE DE METALLURGIE. PARIS, vol. 85, no. 7, July 1988 (1988-07-01), pages 597-606, XP000024459, ISSN: 0035-1563
- [A] BUDAKVA A A ET AL: "MATHEMATICAL MODEL OF ROLL SET DEFORMATION IN SIX-HIGH AND FOUR-HIGH MILLS WITH AXIAL ROLL SHIFT", STEEL IN TRANSLATION,GB,THE INSTITUTE OF MATERIALS, LONDON, vol. 23, no. 4, pages 37-39, XP000425787, ISSN: 0967-0912

Cited by

DE102009030792A1; WO2010069575A2; US8939009B2

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)

**EP 0876857 A2 19981111**; **EP 0876857 A3 20000112**; AR 015115 A1 20010418; BR 9801600 A 19990601; CA 2237022 A1 19981108; CN 1198967 A 19981118; DE 19719318 A1 19981112; DE 19719318 C2 20030612; ID 20666 A 19990211; KR 19980086866 A 19981205; TW 407069 B 20001001; US 5943896 A 19990831

DOCDB simple family (application)

**EP 98108139 A 19980505**; AR P980102098 A 19980505; BR 9801600 A 19980507; CA 2237022 A 19980507; CN 98107949 A 19980507; DE 19719318 A 19970508; ID 980664 A 19980507; KR 19980016438 A 19980508; TW 87106492 A 19980428; US 7412798 A 19980507