

Title (en)

METHOD AND DEVICE FOR CONTROLLING THE THICKNESS OF WEBS AND FLANGES IN UNIVERSAL ROLLING MILL STANDS

Publication

**EP 0329999 A3 19910911 (DE)**

Application

**EP 89101913 A 19890203**

Priority

DE 3806063 A 19880226

Abstract (en)

[origin: EP0329999A2] When rolling I-section beams, control should be exercised over the thickness of webs and flanges. For this purpose, it is proposed to allocate to each roll of the universal rolling mill stand a gauge-meter circuit. In order to maintain a certain ratio of web elongation to flange elongation, it is furthermore proposed to couple the gauge-meter circuits together in an adjustable manner. Adjustment should be carried out as a function of the rolling program.

IPC 1-7

**B21B 37/02**

IPC 8 full level

**B21B 1/088** (2006.01); **B21B 13/10** (2006.01); **B21B 37/00** (2006.01); **B21B 37/16** (2006.01); **B21B 37/30** (2006.01); **B21B 37/62** (2006.01); **B21B 1/08** (2006.01); **B21B 31/32** (2006.01)

CPC (source: EP KR US)

**B21B 37/16** (2013.01 - KR); **B21B 37/165** (2013.01 - EP US); **B21B 37/62** (2013.01 - EP US); **B21B 38/04** (2013.01 - KR); **B21B 1/088** (2013.01 - EP US); **B21B 31/32** (2013.01 - EP US); **B21B 2013/106** (2013.01 - EP US); **B21B 2203/36** (2013.01 - EP US)

Citation (search report)

- [A] FR 2374101 A1 19780713 - SECIM [FR]
- [AP] EP 0275875 A2 19880727 - SCHLOEMANN SIEMAG AG [DE]
- [A] IEEE-IAS-1985 ANNUAL MEETING, Toronto 6. - 11. Oktober 1985, Toronto, IEE Catalogue Nr. 85CH2207-9, Seiten 1658-1671, New York, US; K. FUKUTANI et al.: "Development of automatic gauge control using decoupled control for universal finishing mills"

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US5052206A; US5085067A; WO9310921A1

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**EP 0329999 A2 19890830**; **EP 0329999 A3 19910911**; **EP 0329999 B1 19940831**; AT E110599 T1 19940915; CN 1028843 C 19950614; CN 1036716 A 19891101; DE 3806063 A1 19890907; DE 3806063 C2 19961017; DE 58908248 D1 19941006; ES 2060677 T3 19941201; JP 2529730 B2 19960904; JP H01254306 A 19891011; KR 890012713 A 19890919; KR 960006018 B1 19960508; US 5000020 A 19910319

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