

Title (en)

Method for flexibly rolling a metal strip

Title (de)

Verfahren zum flexiblen Walzen eines Metallbandes

Title (fr)

Procédé pour le laminage flexible d'une bande métallique

Publication

EP 1080800 A3 20030122 (DE)

Application

EP 00116083 A 20000727

Priority

- DE 19936522 A 19990806
- DE 19951889 A 19991028
- DE 19954425 A 19991111
- DE 19962754 A 19991223

Abstract (en)

[origin: US6336350B1] A method for the flexible rolling of a metallic band wherein, during the rolling procedure, the metallic strip is lead through a roll gap which is formed between two working rolls and which is set so that, over the length of the metallic strip, strip sections are obtained with different strip thickness. In order to prevent temperature-related deviations in the thickness and length profiles of the metallic strip, a compensation of the temperature influence effecting the metallic strip is carried out during rolling in order to prevent deviations from the theoretical thickness and/or the theoretical length of the individual strip sections at a default temperature of the metallic strip.

IPC 1-7

B21B 37/26; **B21B 37/38**

IPC 8 full level

B21B 38/02 (2006.01); **B21B 37/00** (2006.01); **B21B 37/26** (2006.01); **B21B 37/38** (2006.01); **B21B 37/70** (2006.01); **B21B 37/76** (2006.01); **B21C 51/00** (2006.01); **B21B 15/00** (2006.01); **B21B 37/58** (2006.01)

CPC (source: EP US)

B21B 37/26 (2013.01 - EP US); **B21B 37/38** (2013.01 - EP US); **B21B 37/70** (2013.01 - EP US); **B21B 37/58** (2013.01 - EP US); **B21B 38/02** (2013.01 - EP US); **B21B 2015/0071** (2013.01 - EP US)

Citation (search report)

- [Y] DE 2554246 A1 19770616 - ACHENBACH BUSCHHUETTEN GMBH
- [A] US 4785646 A 19881122 - UEKAJI HIROSHI [JP], et al
- [Y] FR 2695049 A1 19940304 - LORRAINE LAMINAGE [FR]
- [Y] EP 0561603 A1 19930922 - ISHIKAWAJIMA HARIMA HEAVY IND [JP]
- [YA] PATENT ABSTRACTS OF JAPAN vol. 010, no. 381 (M - 547) 19 December 1986 (1986-12-19)

Cited by

CN114273463A; WO2007062734A1; US8522586B2; US11865598B2; WO2018122020A1; WO2008113426A3; EP3342494A1; CN110177627A; RU2764727C2; AU2017387446B2; TWI746756B

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DOCDB simple family (application)

US 63471800 A 20000807; AT 00116083 T 20000727; EP 00116083 A 20000727; JP 2000235782 A 20000803