

Title (en)

Method for cold rolling metal strip

Title (de)

Verfahren zum Kaltwalzen metallischen Bandes

Title (fr)

Procédé de laminage à froid de bandes métalliques

Publication

EP 1491268 A3 20060215 (DE)

Application

EP 04013220 A 20040604

Priority

DE 10328472 A 20030625

Abstract (en)

[origin: EP1491268A2] Cold rolling a metallic strip wound by a coil comprises detecting unreliably large fluctuations of hardness of the strip, in which the strip thickness, rolling force and strip tension of the strip and/or fluctuations of the exiting strip are acquired using cross-correlation or Fast-Fourier transformation or with the aid of error parameter detectors depending on rotatory harmonic fluctuations.

IPC 8 full level

B21B 37/62 (2006.01); **B21B 37/54** (2006.01); **B21B 38/00** (2006.01); **G05B 17/02** (2006.01); **B21B 1/28** (2006.01); **B21B 1/36** (2006.01); **B21B 37/38** (2006.01)

CPC (source: EP)

B21B 37/54 (2013.01); **B21B 37/62** (2013.01); **B21B 38/00** (2013.01); **B21B 1/28** (2013.01); **B21B 1/36** (2013.01); **B21B 37/38** (2013.01)

Citation (search report)

- [PXPA] DE 10234047 A1 20040205 - ABB PATENT GMBH [DE]
- [XA] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 13 30 November 1998 (1998-11-30)
- [XA] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 05 14 September 2000 (2000-09-14)
- [A] PATENT ABSTRACTS OF JAPAN vol. 006, no. 086 (M - 131) 25 May 1982 (1982-05-25)
- [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 119 (M - 1225) 25 March 1992 (1992-03-25)
- [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 258 (M - 618) 21 August 1987 (1987-08-21)
- [A] DATABASE WPI Section Ch Week 198447, Derwent World Patents Index; Class M21, AN 1984-292637, XP002359840

Cited by

CN102699026A; CN103252356A; CN107983772A; CN117000759A; EP3020487B1

Designated contracting state (EPC)

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