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 1074317 A3 20030129 (DE)

Application
EP 00115953 A 20000726

Priority
• DE 19936522 A 19990806
• DE 19939166 A 19990820

Abstract (en)
[origin: EP1074317A2] Flexible metal strip rolling, involving work roll bending line control during or immediately after each roll gap adjustment to obtain flat strip, is new. A flexible rolling process for metal strip comprises adjusting the roll gap during rolling to achieve different strip thicknesses along the strip length, the bending lines of the work rolls being controlled in dependence on the adjusted roll gap during or immediately after each roll gap adjustment in order to achieve strip flatness.

IPC 1-7
B21B 37/26; B21B 37/38

IPC 8 full level
G01B 21/30 (2006.01); **B21B 37/00** (2006.01); **B21B 37/26** (2006.01); **B21B 37/38** (2006.01); **B21B 38/02** (2006.01)

CPC (source: EP US)
B21B 37/26 (2013.01 - EP US); **B21B 37/38** (2013.01 - EP US); B21B 38/02 (2013.01 - EP US)

Citation (search report)
• [Y] FR 2695049 A1 19940304 - LORRAINE LAMINAGE [FR]
• [Y] US 4116029 A 19780926 - FABIAN WOLFGANG, et al
• [XY] PATENT ABSTRACTS OF JAPAN vol. 010, no. 381 (M - 547) 19 December 1986 (1986-12-19)
• [X] PATENT ABSTRACTS OF JAPAN vol. 015, no. 437 (M - 1176) 7 November 1991 (1991-11-07)

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EP3342494A1; WO2018122020A1; DE102016123069A1; DE102009050997A1; EP2745948A1; DE10335666A1; DE102009050997B4; CN110177627A; RU2764727C2; AU2017387446B2; US8522586B2; US10566885B2; EP1388486A2; WO2010086141A1; DE102009057180A1; TWI746756B; WO2021084379A1; WO2007062734A1; EP1772354A2; WO2024028640A1; WO2024028763A1; US11865598B2; EP3097992A1; WO2016193089A1; EP3301197A1; WO2018060454A1; US10946425B2; US11352678B2; US11511328B2; EP3566790B1

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1074317 A2 20010207; **EP 1074317 A3 20030129**; **EP 1074317 B1 20050216**; AT E289229 T1 20050315; DE 50009532 D1 20050324; JP 2001079607 A 20010327; US 6336349 B1 20020108

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EP 00115953 A 20000726; AT 00115953 T 20000726; DE 50009532 T 20000726; JP 2000238638 A 20000807; US 63471700 A 20000807