

Title (en)
Method and apparatus for eliminating of gutter curvatures in metal sheets

Title (de)
Verfahren und Vorrichtung zum Beseitigen von Querkrümmungen in Metallbändern

Title (fr)
Procédé et dispositif pour éliminer des bombements transversaux dans des tôles

Publication
EP 1275446 A3 20040331 (DE)

Application
EP 02004606 A 20020228

Priority
DE 10124836 A 20010522

Abstract (en)
[origin: US2002174699A1] Crossbow in metal strip in a strip processing line is eliminated immediately upstream of a strip processing device by measuring the crossbow and controlling response to the measured value penetration depth of a correcting roller into strip while the latter is supported by a pair of support rolls. The device is provided immediately upstream of the processing unit.

IPC 1-7
B21D 1/02; B21D 1/05

IPC 8 full level
B21D 1/02 (2006.01)

CPC (source: EP US)
B21D 1/02 (2013.01 - EP US)

Citation (search report)

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- [XA] EP 0263971 A1 19880420 - KAWASAKI STEEL CO [JP]
- [DA] US 5535610 A 19960716 - NOE ROLF [DE], et al
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- [X] PATENT ABSTRACTS OF JAPAN vol. 010, no. 353 (M - 539) 28 November 1986 (1986-11-28)

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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
US 2002174699 A1 20021128; AT E409531 T1 20081015; DE 10124836 A1 20021219; DE 10124836 B4 20040826; DE 10124836 C5 20070719; DE 50212825 D1 20081113; EP 1275446 A2 20030115; EP 1275446 A3 20040331; EP 1275446 B1 20081001; EP 1275446 B2 20130904; ES 2315323 T3 20090401; ES 2315323 T5 20131114

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