

Title (en)
Method and device for stretching metal strips by traction

Title (de)
Verfahren und Vorrichtung zum Zugrecken von Metallbändern

Title (fr)
Procédé et dispositif destinés à l'étirement de bandes de métal

Publication
EP 1955787 B1 20120523 (DE)

Application
EP 08000279 A 20080109

Priority
DE 102007006809 A 20070207

Abstract (en)
[origin: EP1955787A1] The method involves plastically deforming a thin metal strip in bar zones (R) under a tensile strength in an area or within an elastic limit. The metal strip is sectionally heated and/or cooled within the bar zones for adjusting an inhomogeneous temperature distribution over a bandwidth. The metal strip is heated and/or cooled in the bar zones for adjusting a homogenous temperature distribution over the bandwidth. The temperature distribution within the bar zones is measured, and the adjustment of temperature profiles is controlled depending on the measurement. An independent claim is also included for a system for straightening a thin metal strip.

IPC 8 full level
B21D 1/05 (2006.01)

CPC (source: EP KR US)
B21D 1/00 (2013.01 - KR); **B21D 1/05** (2013.01 - EP KR US); **B21D 25/00** (2013.01 - KR); **B21B 15/00** (2013.01 - EP US)

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DOCDB simple family (publication)
EP 1955787 A1 20080813; EP 1955787 B1 20120523; CA 2619202 A1 20080807; CN 101239362 A 20080813; CN 101239362 B 20120718; DE 102007006809 A1 20080814; DE 102007006809 B4 20090416; ES 2388356 T3 20121011; KR 101526564 B1 20150605; KR 20080074048 A 20080812; RU 2008104607 A 20090820; RU 2391170 C2 20100610; US 2008196467 A1 20080821; US 7954351 B2 20110607

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