

Title (en)
METHOD FOR PRODUCING METAL STRIPS

Title (de)
VERFAHREN ZUM HERSTELLEN VON METALLBÄNDERN

Title (fr)
PROCÉDÉ DE FABRICATION DE BANDES MÉTALLIQUES

Publication
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Application
EP 16709931 A 20160315

Priority
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• EP 2016055525 W 20160315

Abstract (en)
[origin: WO2016146621A1] The invention relates to a method for producing a metal strip in a rolling mill, wherein forecast values for the desired profile contour are determined with the aid of a process model while taking into account adaptation values determined in the past. Specifically, a calculation of the profile contour of the n+^xth metal strip is performed by first calculating inter alia a forecast value for the profile contour of an at least nth metal strip at a reference position bi with the aid of the process model, then rolling the at least nth metal strip, subsequently measuring the actual value of the strip profiles of the rolled at least nth metal strip at the same reference position and finally determining an adaptation value as a difference between the actual value and a forecast value. Finally, this is used to determine a new adaptation value for the profile contour of the n+^xth metal strip at the reference position bi. In order to allow a more accurate forecast of the profile contour and a more accurate setting of profile adjusting elements during the later production of an n+^xth metal strip, the invention provides that the adaptation values are determined not only at one reference position bi but at a plurality of reference positions bi in at least one portion of the width of the at least one nth metal strip.

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Citation (opposition)
Opponent : Primetals Technologies Germany GmbH
• WO 03078086 A1 20030925 - SIEMENS AG [DE], et al
• WO 9300181 A1 19930107 - SIEMENS AG [DE]
• ADAM RANDALL ET AL.: "Adaptive finishing mill setup model and gage control upgrade for LTV Steel Cleveland Works' 80-in. hot strip mill", IRON AND STEEL ENGINEER, August 1997 (1997-08-01), pages 31 - 40, XP000702214

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