

Title (en)  
METHOD FOR OPERATING A ROLLING MILL TRAIN WITH CURVATURE RECOGNITION

Title (de)  
BETRIEBSVERFAHREN FÜR EINE WALZSTRASSE MIT KRÜMMUNGSERKENNUNG

Title (fr)  
PROCÉDÉ DE FONCTIONNEMENT POUR UNE BATTERIE DE LAMINOIRS AVEC DÉTECTION DE COURBURE

Publication  
**EP 2188074 B1 20121121 (DE)**

Application  
**EP 08803135 A 20080821**

Priority  
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• DE 102008007247 A 20080201

Abstract (en)  
[origin: WO2009037064A1] In a multi-stand rolling mill train, a strip (2) successively runs through the individual rolling stands (1). The strip (2) - always as seen in relation to a rolling centre line (7) - is threaded into each of the rolling stands (1) with a known respective head offset (V) and a known respective inlet-side head pitch (SE), and therefore a head (8) of the strip (2) emerges from the respective rolling stand (1) with the respective head offset (V), a respective outlet-side head pitch (SA) and a respective outlet-side head curvature (K). The respective outlet-side head pitch (SA) is determined on the basis of the respective inlet-side head pitch (SE) and a respective pass reduction which takes place in the respective rolling stand (1). The respective outlet-side head curvature (K) of the strip (2) is determined on the basis of respective measured data and respective further data. The respective outlet-side head curvature (K) is used to determine a respective control intervention (S) for the respective rolling stand (1) and/or the rolling stand (1) arranged directly downstream of the respective rolling stand (1) and to drive the corresponding rolling stand (1) in accordance with the respective determined control intervention (S).

IPC 8 full level  
**B21B 37/68** (2006.01)

CPC (source: EP US)  
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