

Title (en)
METHOD FOR ROLLING A PRODUCT TO BE ROLLED COMPRISING A TRANSITION REGION

Title (de)
VERFAHREN ZUM WALZEN EINES WALZGUTES MIT ÜBERGANGSBEREICH

Title (fr)
PROCEDE DE LAMINAGE D'UN PRODUIT A LAMINER PRESENTANT UNE ZONE DE TRANSITION

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Application
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Abstract (en)
[origin: WO2005107973A1] The invention relates to a method for rolling a product to be rolled (1) in a rolling train (10) comprising at least two roll stands (2) which each comprise a roll gap (11), the product to be rolled (1) comprising at least one transition region (9). If a critical transition region (9) crosses the rolling train (10), the roll gaps (11) of the at least two roll stands (2) are successively opened and closed according to the position of the transition region (9) moving at speed (v) through the rolling train (10), in the direction of the direction of travel (x) of the conveyor. The opening of the roll gaps (11) takes place parallel to the position of the critical transition region (9) when the product to be rolled (1) is displaced. A transition region (9) is critical when the structure thereof requires the roll gaps (11) to be opened. The variations in at least one of the dimensions or properties such as the hardness or alloying of the product to be rolled (1) in the environment of the transition region (9) can cause significant disturbance of the process variables, or a rip of the product to be rolled (1), when the roll gap (11) is closed. The inventive opening of the roll gaps (11), when the device is moving, enables the controlled transition of a product to be rolled (1) with extreme variations in dimension and/or hardness, for a shorter length.

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