

Title (en)
ROLLING MILL WITH MATERIAL PROPERTY DEPENDENT ROLLING

Title (de)
WALZWERK MIT WERKSTOFFEIGENSCHAFTSABHÄNGIGER WALZUNG

Title (fr)
LAMINOIR À LAMINAGE DÉPENDANT DE LA PROPRIÉTÉ DE MATIÈRE

Publication
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Application
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Priority
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Abstract (en)
[origin: US2021229149A1] A rolling mill has a rolling stand (1) in which a flat rolled product (2) composed of metal is rolled. A sensor device (6), which detects at least one measured variable (M) characteristic of a material property of the flat rolled product (2), is arranged upstream and/or downstream of the rolling stand (1). The material property can be, in particular, an electromagnetic property or a mechanical property of the rolled product (2). The sensor device (6) transfers the detected measured variable (M) to a control device (9) for the rolling mill. Taking into account the measured variable (M), the control device (9) determines a control value (A) for the rolling stand (1). The control of the rolling stand (1) influences the material property of the flat rolled product (2). The control value (A) is a ratio of the peripheral speeds (vO, vU) at which the upper and the lower working rolls (3, 4) of the rolling stand (1) rotate.

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