

Title (en)

Method for the automatic adjustment of the rolls to guide rolled stock and relative device

Title (de)

Verfahren zur automatischen Einstellung von Rollen zum Führen von Walzgut, und zugehörige Vorrichtung

Title (fr)

Procédé pour l'ajustement automatique de rouleaux pour guider un produit laminé, et dispositif associé

Publication

EP 0740967 B1 19991027 (EN)

Application

EP 96106828 A 19960430

Priority

IT UD950080 A 19950504

Abstract (en)

[origin: EP0740967A1] Method for the automatic adjustment of the rolls (11) to guide rolled stock in a guide box (10) located upstream of a rolling mill stand (19) and in direct cooperation with that stand (19), these guide rolls (11) cooperating centrally and symmetrically with means (15) to adjust their position in relation to the rolling pass (29) of the stand (19), thus defining a required gap for the rolled stock (22), these adjustment means (15) being able to be of a type such as an axially movable wedge (115) or as a rotary cam (32) or as screw-threaded means (30a, 30b), the momentary reciprocal positions of the guide rolls (11) being governed by an adjustment unit (20) connected to a source of power (18), which conditions the actuation of the adjustment means (15), an instrument (21) being included to measure the actual dimensions of the rolled stock (22) upstream of the guide rolls (11), the actuation signals sent to the adjustment unit (20) for the positioning of the guide rolls (11) being correlated with the position of the rolling rolls (24) of the rolling mill stand (23) positioned upstream of the guide box (10). Device for the automatic adjustment of the guide rolls (11) to guide rolled stock in a guide box (10) located upstream of a rolling mill stand (19) and in direct cooperation with that stand (19), these guide rolls (11) being supported by oscillatory arms (12) and cooperating centrally and symmetrically with means (15) to adjust their position in relation to the rolling pass (29) of the stand (19), thus defining a required gap for the rolled stock (22), a source of power (18) being included for actuation of the adjustment means (15) and being governed by an adjustment unit (20), which conditions the actuation of the source of power (18) according to the required positioning of the guide rolls (11), the adjustment means (15) being able to consist of an axially movable wedge element (115) or of a rotatably movable cam element (32) or of screw-threaded means (30), an instrument (21) being included to measure dimensions of the rolled stock (22) and being positioned at least upstream of the guide rolls (11), a system (27) being included for the memorised setting of the rolling rolls (24) of the rolling mill stand (23) positioned upstream of the guide rolls (11) and being functionally associated with the adjustment unit (20) for the determination of the actuation of the adjustment means (15) according to the required positioning of the guide rolls (11). <IMAGE>

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CPC (source: EP)

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Cited by

US11701694B2; CN104438366A; CN104338762A; AU764476B2; RU2695845C2; EP1034856A3; CN114833194A; US6209378B1; CN109731926A; WO2018074968A1; WO0066288A1; WO2016099370A1; WO2022260865A1

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