

Title (en)

STRAND GUIDE SEGMENT FOR GUIDING AND SUPPORTING A METALLIC STRAND IN A CONTINUOUS CASTING MACHINE

Title (de)

STRANGFÜHRUNGSELEMENT ZUM FÜHREN UND STÜTZEN EINES METALLISCHEN STRANGS IN EINER STRANGGIESSMASCHINE

Title (fr)

SEGMENT DE GUIDAGE POUR GUIDER ET SUPPORTER DE BARRE MÉTALLIQUE DANS UNE INSTALLATION DE COULÉE CONTINUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2011089045A1] The invention relates to a strand guide element (1) for guiding and supporting a metallic strand in a continuous casting machine, having an inner frame (2), an outer frame (3), wherein the inner frame (2) and the outer frame (3) each have a plurality of strand guide rolls (4) for guiding and supporting the strand, at least one bearing (5) for jointed connection of the inner frame (2) to the outer frame (3) and an adjustment apparatus (8) for changing a distance between the inner frame (2) and the outer frame (3), wherein the change to the distance occurs in a direction transverse to the casting direction (25). The aim of the invention is to either significantly reduce the mechanical play between the inner frame (2) and the outer frame (3) of the strand guide element (1) transverse to a casting direction (25) of the strand or to create a wholly play-free connection between the inner frame (2) and the outer frame (3). Said aim is achieved by means of a device, in which device the bearing (5) has at least one rod-shaped component (9), the first end (10) thereof being firmly clamped in the inner frame (2) and the second end (11) thereof being firmly clamped in the outer frame (3), wherein the rod-shaped component (9) absorbs the movement of the inner frame (2) relative to the outer frame (3). By clamping both sides of the rod-shaped component (9), that is, blocking the degrees of freedom for shifts and rotations, the inner frame (2) is connected to the outer frame (3) without play in the region of the bearing (5).

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Opponent :

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