

## Title (en)

STRAND GUIDING DEVICE AND METHOD FOR GUIDING A METAL STRIP THAT HAS NOT YET SOLIDIFIED RIGHT THROUGH

## Title (de)

STRANGFÜHRUNGSEINRICHTUNG UND VERFAHREN ZUM FÜHREN EINES NOCH NICHT DURCHERSTARRTEN METALLBANDES

## Title (fr)

DISPOSITIF DE GUIDAGE DE BARRE ET PROCÉDÉ DE GUIDAGE D'UNE BANDE MÉTALLIQUE ENCORE NON DURCI À COEUR

## Publication

**EP 2056981 A1 20090513 (DE)**

## Application

**EP 07801657 A 20070815**

## Priority

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- DE 102006040012 A 20060825

## Abstract (en)

[origin: CA2659989A1] The invention relates to a strand guiding device and a method for guiding a metal strip, in particular a metal strip that has not yet solidified right through, in a continuous casting installation. Known strand guiding devices comprise a segment frame and at least one pair of opposing guiding rollers, between which the metal strip is guided. At least one of the guiding rollers takes the form of at least two part-rollers 122, 124 arranged next to each other. The part-rollers are mounted on the segment frame 110 by means of two outer bearings 132, 134 and at least one common intermediate bearing 133. To provide at least partial compensation for the segment frame 110 springing up or bending, caused indirectly by the ferrostatic pressure in the interior of the metal strip that has not yet solidified right through and occurring in particular in the region of the intermediate bearing 133 during the transport of the metal strip between the guiding rollers 120, three different means are proposed according to the invention, means which can also be used in combination with one another. These means are a bowing of the intermediately mounted guiding roller and/or a more yielding form of the outer bearings 132, 134 in comparison with the intermediate bearing 133 and/or a greater distance A1 between the segment frame 110 and the centre axis M of the part-rollers 122, 124 in the case of the intermediate bearing 133 in comparison with the outer bearings 132, 134.

## IPC 8 full level

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**B22D 11/12** (2013.01 - KR); **B22D 11/128** (2013.01 - EP KR US); **B22D 11/1287** (2013.01 - EP US); **B22D 11/14** (2013.01 - KR)

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See references of WO 2008022731A1

## Cited by

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