

Title (en)

Rolling mill with a reel comprising an improved outboard bearing support

Title (de)

Walzwerk mit einer Wickelvorrichtung mit verbesserter Spindelhalterung

Title (fr)

Laminoir comprenant un dispositif de bobinage avec un support de palier extérieur amélioré.

Publication

EP 2712686 A1 20140402 (EN)

Application

EP 13184822 A 20130917

Priority

IT TO20120850 A 20120928

Abstract (en)

The present invention relates to a rolling mill (1) equipped with at least one reel (10A, 10B) comprising a spindle (11) for winding and/or unwinding a strip (N) during the rolling operations, said reel (10A, 10B) being fitted with at least one outboard bearing support (20) for supporting said spindle (11), said outboard bearing support (20) comprising: - a fixed part (21); - a movable part (22), comprising a support element (22A) adapted to support said spindle (11); - drive means (23), which are associated with said movable part (22) in such a way as to move said movable part (22) relative to said fixed part (21) and cause it to rotate about at least one rotation pin (24), in particular said drive means (23) being adapted to cause the movable part (22) to switch from an open position to a closed position, and vice versa. The invention is characterized in that the outboard bearing support (20) comprises an actuation system (30) adapted to cause said rotation pin (24) to move along a first axis (Z), so as to prevent the movable part (22) from moving relative to the fixed part (21) and to take up any play of the movable part (22) and of the rotation pin (24), in particular when the movable part (22) of the outboard bearing support (20) is in said closed position.

IPC 8 full level

B21C 47/04 (2006.01)

CPC (source: EP)

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Citation (search report)

- [A] US 2028422 A 19360121 - TALBOT HOWARD H
- [A] WO 0025951 A1 20000511 - DANIELI OFF MECC [IT]
- [A] US 3317158 A 19670502 - WAGNER O'BRIEN JEREMIAH

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