

Title (en)

INTEGRATED BENDING AND BALANCING APPARATUS FOR ROLLING STANDS

Title (de)

INTEGRIERTE BIEGUNGS- UND AUSWUCHTUNGSVORRICHTUNG FÜR WALZGERÜSTE

Title (fr)

APPAREIL DE CINTRAGE ET D'ÉQUILIBRAGE INTÉGRÉ POUR CAGES DE LAMINAGE

Publication

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Application

**EP 13725779 A 20130412**

Priority

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Abstract (en)

[origin: WO2013153533A1] An integrated apparatus (10) for bending and balancing the rolls of a rolling stand, adapted to bend the work rolls (2, 2') and to balance a top back-up roll (4) once the apparatus has been installed in the rolling stand, with the possibility of axially shifting the work rolls during the operation of rolling, the apparatus comprising: a bending device (8), provided with at least one top bending cylinder (9), adapted to operate on a chock (3) of a top work roll (2), and with at least one bottom bending cylinder (9'), adapted to operate on a chock (3') of a bottom work roll (2'); and a balancing device (12), provided with at least one balancing cylinder (13), adapted to operate on a chock (5) of the top back-up roll; wherein the balancing device is directly fixed to the bending device. A rolling stand is described, comprising a system of four apparatuses (10) arranged in pairs at the ends of the work rolls.

IPC 8 full level

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