

Title (en)

ROLL-STRAIGHTENING MACHINE WITH UPPER AND LOWER STRAIGHTENING ROLLS AND METHOD FOR SIMPLY AND RAPIDLY INSPECTING, SERVICING AND MAINTAINING THE UPPER STRAIGHTENING ROLLS OF A ROLL-STRAIGHTENING MACHINE

Title (de)

WALZENRICHTMASCHINE MIT OBEREN UND UNTEREN RICHTWALZEN SOWIE VERFAHREN ZUM EINFACHEN UND SCHNELLEN INSPIZIEREN, WARTEN UND INSTANDHALTEN DER OBEREN RICHTWALZEN EINER WALZENRICHTMASCHINE

Title (fr)

DRESSEUSE COMPRENANT DES ROULEAUX DE DRESSAGE SUPERIEURS ET INFERIEURS ET PROCEDE SIMPLE ET RAPIDE D'INSPECTION, DE SURVEILLANCE ET D'ENTRETIEN DES ROULEAUX DE DRESSAGE SUPERIEURS D'UNE DRESSEUSE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2017202532A1] The present invention relates to a roller straightening machine (1) for straightening material to be straightened, in particular metal strips and parts, comprising an upper roller frame (2), on which an upper straightening unit (3) is arranged, a lower roller frame (4), which has a machine bed (5) on which a lower straightening unit (6) is arranged, wherein the upper roller frame (2) can be moved up and down with respect to the lower roller frame (4) by means of a plurality of preferably hydraulic drives (17), wherein the upper straightening unit (3) has a plurality of upper straightening rollers (9) and the lower straightening unit (6) has a plurality of lower straightening rollers (13), wherein the upper straightening rollers (9) are mounted at both ends in upper bearing strips (11) and the lower straightening rollers (13) are mounted at both ends in lower bearing strips (15) and at least a number of the upper and lower straightening rollers (9, 13) are connected at one of their ends to drive shafts (21, 31) of a drive device, and a plurality of upper and lower supporting rollers (37, 27), which serve for supporting the upper and lower straightening rollers (9 and 13, respectively), wherein the upper and lower supporting rollers (37, 27) for their part are mounted in a plurality of upper supporting roller stands (35) and lower supporting roller stands (29), respectively, characterized in that the upper straightening unit (3) has a frame (39), on which the bearing strips (11) of the upper straightening rollers (9) and the supporting roller stands (35, 29) are mounted, and in that the frame (39) can be moved out of and into the roller straightening machine (1). The present invention also relates to a method which makes it possible for the upper straightening rollers of a roller straightening machine to be inspected, serviced and maintained, including cleaned, particularly easily, quickly and ergonomically.

IPC 8 full level

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