

Title (en)

METHOD AND DEVICE FOR CHANGING THE ROLLS ON A ROLLING MILL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM WECHSELN DER WALZEN IN EINEM WALZWERK

Title (fr)

PROCEDE ET INSTALLATION DE CHANGEMENT DES CYLINDRES D'UN LAMINOIR

Publication

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Application

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Abstract (en)

[origin: WO2017182406A1] The invention relates to a method for changing the rolls on a rolling mill for rolling a metal strip, which is carried out in an installation having a rolling mill of the Quarto stand type, comprising two working rolls (3, 4), one lower and one upper, defining the nip through which the sheet passes, and two support rolls (5, 6), respectively one lower and one upper, intended to bear respectively against the working rolls on the opposite side to the side of the nip. According to the invention, the installation comprises a system for extracting the working rolls and the support rolls provided, on the drive side of the said rolling mill and comprising: - an actuator (70) configured to push the rolls out of the roll stand of the rolling mill when the rolls are being extracted, - a coupling head (8), secured to the said actuator (70), situated in a position of opening of the roll stand (2), comprising - first coupling means configured to drive the chock (40) or the end of the lower working roll (4), on the rolling-mill drive side, - second coupling means configured to drive the chock of the lower support roll (6), on the rolling-mill drive side. Advantageously, the first coupling means and the second coupling means of the said extraction system are configured in such a way as to allow successive extractions of the working rolls (3, 4) and then of the support rolls (5, 6) from the roll stand (2) using the one same actuator of the extraction system. The invention also relates to a rolling mill installation for carrying out the method of the invention.

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