

Title (en)

DEVICE AND METHOD FOR MOUNTING A ROLL RING ONTO A SHAFT OF A ROLLING STAND

Title (de)

VORRICHTUNG UND VERFAHREN ZUM SPANNEN EINES WALZRINGS AUF EINER WELLE EINES WALZGER STES

Title (fr)

DISPOSITIF ET PROCEDE DE MONTAGE D'UN ANNEAU DE LAMINAGE SUR UN ARBRE D'UNE CAGE DE LAMINOIR

Publication

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Application

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Abstract (en)

[origin: WO03090947A1] A roll ring (22) is rotationally fixed onto a shaft (20) in a roll ring arrangement (22). Said shaft comprises a threaded area (30) and a fixing area (32) which is disposed respectively in an axial manner next to the cylinder ring. A screw nut (36) is screwed onto the screw area, exerting a high axial working tension on the roll ring, said tension being sufficiently high in order to transfer the rotational torque required for a rolling process between the shaft and the roll ring. A hydraulically operating clamping device (50) is fixed in a detachable manner to the securing area and can exert a high axial working tension on the roll ring independently and alternatively from the screw-nut. A radially positioning unit is actuated independently from the axial clamping device and the screw-nut. Said unit comprises a centering means and is embodied in such a manner that radial backlash between the shaft and the roll ring is eliminated by the centering means (34). The invention also relates to a method for clamping a roll ring in said type of roll ring arrangement.

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