

Title (en)

BACK-UP OR INTERMEDIATE ROLLER FOR PRODUCING A FLAT ROLLED PRODUCT IN A ROLLING MILL

Title (de)

STÜTZ- ODER ZWISCHENWALZE IN WALZWERKEN ZUM WALZEN VON FLACHEM WALZGUT

Title (fr)

CYLINDRE D'APPUI OU INTERMEDIAIRE MONTE DANS DES LAMINOIRS POUR LE LAMINAGE D'UN PRODUIT PLAT

Publication

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Application

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Priority

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Abstract (en)

[origin: US6408668B1] A supporting or intermediate roll in rolling mills for rolling flat rolling stock, in particular strip material, having a cylindrical roll core and a tubular sleeve which is connected in a rotationally fixed manner to said roll core, engages coaxially around the same and between which and the roll core there are arranged hydraulically axially displaceable supporting bodies which support the roll sleeve against the roll core. In this case, the supporting bodies are formed with at least two annular pistons, which are arranged symmetrically in relation to the roll center and are sealed in relation to the roll core and the inside of the roll sleeve, and include a plurality of annular supporting bearings, which are arranged on the outer circumference of the pistons, are spaced apart from one another in the longitudinal direction of the roll and against which the inner surface of the roll sleeve can be positioned.

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