

Title (en)
COOLED ROLLER FOR HANDLING STEEL PRODUCTS

Title (de)
GEKÜHLTE WALZE ZUR HANDHABUNG VON STAHLPRODUKTEN

Title (fr)
ROULEAU REFROIDI POUR LA MANUTENTION DE PRODUITS SIDERURGIQUES

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Abstract (en)
[origin: WO2006106203A1] The invention concerns a roller (R), used in particular in continuous product heating furnaces for handling and conveying steel products and in particular slabs, comprising a cooled central shaft (1), in particular by a liquid, whereon are mounted a plurality of discs (2), for supporting the products (3) to be transported, arranged perpendicularly to the longitudinal geometrical axis of the roller (R), spaced apart along the axis of the roller (R) and separated by an insulating sleeve (4). The insulating sleeve (4) is maintained at each longitudinal end by at least one cold component (5) secured to the shaft (1) and cooled by the shaft, with axial play (Ja) between the sleeve (4) and the shaft (1) such that possible sagging of the shaft (1) may occur in use without causing substantial mechanical stress on the insulating sleeve (4) and the heat transferred from the sleeve (4) to the shaft (1), and from the discs (2) to the sleeve (4) is limited.

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