

Title (en)
ROLLER HEARTH FURNACE

Title (de)
ROLLENHERDOFEN

Title (fr)
FOUR À ROULEAUX

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Abstract (en)
[origin: WO2020025478A1] The invention relates to a roller hearth furnace, in particular a tunnel furnace of a thin-slabbing plant, comprising multiple cooled furnace rollers (1) which are arranged in a mutually spaced manner in the transport direction (T) in order to transport a strip or a slab, have a number of support rings on a rotatably mounted axle, and are formed with an insulation in the axial region between two adjacent support rings and adjacently to the respective outer support rings, said insulation consisting of a highly insulating fiber material, and scale funnels (2) arranged below the furnace rollers (1). The aim of the invention is to substantially reduce the negative effect of scale or scale particles on the insulating fiber material of the furnace rollers and thus increase the service life of the furnace rollers. According to the invention, this is achieved in that scale barriers (4) extending transversely to the transport direction (T) in the manner of the furnace rollers (1) are provided in the free areas between each two successive furnace rollers (1) in the transport direction (T).

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