

Title (en)

METHOD AND SPRAYING APPARATUS FOR THERMAL SURFACE TREATMENT OF A METAL PRODUCT

Title (de)

VERFAHREN UND SPRÜHEINRICHTUNG ZUR THERMISCHEN OBERFLÄCHENBEHANDLUNG EINES METALLISCHEN PRODUKTS

Title (fr)

PROCÉDÉ ET APPAREIL DE PULVÉRISATION POUR LE TRAITEMENT THERMIQUE DE SURFACE D'UN PRODUIT MÉTALLIQUE

Publication

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Application

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Abstract (en)

[origin: WO2022058152A1] The invention relates to a method and a spraying apparatus (10) for the thermal surface treatment of a metal product (1). Here, the metal product (1) is moved in a transport direction (T) through a treatment section (12) of the spraying apparatus (10) equipped with cooling nozzles (16) and at the same time cooling fluid is applied through the cooling nozzles (16) of the spraying apparatus (10) to the surfaces of the metal product (1), the metal product (1) - as viewed in the transport direction (T) of the metal product (1) - having a front portion (4) and a following, rear portion (5). The surfaces of the metal product (1) are cooled within the spraying apparatus (10) in such a way that the rear portion (5) of the metal product (1) is cooled to a greater degree than the front portion (4) of the product. As a result, a substantially uniform ferrite content is produced in the material of the metal product (1) in a predetermined depth hereof over a length region extending between the front portion (4) and the rear portion (5).

IPC 8 full level

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