

Title (en)

METHOD FOR HEAT TREATMENT OF A SHEET STEEL COMPONENT AND HEAT TREATMENT APPARATUS THEREFOR

Title (de)

VERFAHREN ZUR WÄRMEBEHANDLUNG EINES STAHLBLECHBAUTEILS UND WÄRMEBEHANDLUNGSVORRICHTUNG DAFÜR

Title (fr)

PROCÉDÉ DE TRAITEMENT THERMIQUE D'UN ÉLÉMENT EN TÔLE D'ACIER ET DISPOSITIF DE TRAITEMENT THERMIQUE À CET EFFET

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Application

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Abstract (en)

[origin: WO2017025460A1] The invention relates to a method and to an apparatus for impressing a temperature profile onto a sheet steel component (200), wherein in one or more first areas (210), a temperature below the AC3 temperature can be impressed on the sheet steel component (200), and in one or more second areas (220), a temperature above the AC3 temperature can be impressed on the sheet steel component (200), and is characterized in that the sheet steel component (200) is firstly preheated in a production furnace (110), the sheet steel component (200) is then transferred into a thermal re-treatment station (150), wherein a radiant heat source (151) is moved over the component in the thermal re-treatment station (150), by means of which the one or more first areas (210) of the sheet steel component (200) can optionally be kept at a temperature above the AC3 temperature or or cooled down further, and the one or more second areas (220) of the sheet steel component (200) can optionally be heated to or or kept at temperature above the AC3 temperature.

IPC 8 full level

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