

Title (en)

TEMPERATURE CONTROL STATION FOR PARTIALLY THERMALLY TREATING A METAL COMPONENT

Title (de)

TEMPERIERSTATION ZUR PARTIELLEN WÄRMEBEHANDLUNG EINES METALLISCHEN BAUTEILS

Title (fr)

POSTE DE THERMORÉGULATION DESTINÉ AU TRAITEMENT THERMIQUE PARTIEL D'UNE PIÈCE MÉTALLIQUE

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Application

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Abstract (en)

[origin: WO2018184947A1] The invention relates to a temperature control station for partially thermally treating a metal component, a device for thermally treating a metal component and a use of at least one tangential nozzle in a temperature control station for partially thermally treating a metal component. The temperature control station (1) for partially thermally treating a metal component (2) has a processing plane (3) arranged in the temperature control station (1), in which processing plane the component (2) can be arranged, and at least one nozzle (4), which is directed towards the processing plane (3) and is provided and configured to dispense a fluid flow (5) for cooling at least a first portion (6) of the component (2). The at least one nozzle (4) is a tangential nozzle (13). The temperature control station and the device make it possible, in particular, to set a transition region between portions of the component that have been subjected to different thermal treatments as reliably and/or precisely as possible, particularly to be as small as possible.

IPC 8 full level

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CPC (source: EP KR US)

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