

Title (en)
METHOD OF HEAT TREATING A METALLIC COMPONENT

Title (de)
VERFAHREN ZUR WÄRMEBEHANDLUNG EINES METALLISCHEN BAUTEILS

Title (fr)
PROCÉDÉ DE TRAITEMENT THERMIQUE D'UN COMPOSANT MÉTALLIQUE

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Abstract (en)
[origin: WO2017129600A1] The invention relates to a method for heat-treating a metal component. The invention relates in particular to an application in the partial hardening of optionally pre-coated components made of high-strength manganese-boron steel. With the method, at least one first sub-region (2) of the component (1) is convectively cooled by means of at least one nozzle (3), which discharges a fluid stream (4) to the first sub-region (2) so that a temperature difference (5) of at least 100 K is set between the at least one first sub-region (2) and at least one second sub-region (6) of the component (1), wherein the at least one nozzle (3) is operated with an overpressure of at least 2 bar.

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