

Title (en)

METHOD OF CARBONITRIDING A STEEL COMPONENT, THE STEEL COMPONENT AND THE USE OF THE COMPONENT

Title (de)

VERFAHREN ZUR KARBONITRIERUNG EINER STAHLKOMPONENTE, STAHLKOMPONENTE UND VERWENDUNG DER KOMPONENTE

Title (fr)

PROCÉDÉ DE CARBONITRURATION D'UN COMPOSANT EN ACIER, COMPOSANT EN ACIER ET UTILISATION DU COMPOSANT

Publication

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Application

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Abstract (en)

[origin: WO2012141639A1] Method for heat treating a steel component (28, 36) to provide the steel component (28, 36) with a surface having improved wear resistance. The method comprises the steps of carbonitriding the steel component (28, 36) at a temperature of 930-970°C, cooling the steel component (28, 36), re-heating the steel component (28, 36) to a temperature of 780-820°C and either quenching the steel component (28, 36) to form martensite and tempering, or quenching the steel component (28, 36) to form bainite and tempering.

IPC 8 full level

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