

Title (en)

CARBONITRIDING METHOD HAVING A FINAL NITRIDATION STEP DURING TEMPERATURE DECREASE

Title (de)

KARBONITRIERUNGSVERFAHREN MIT EINEM ABSCHLIESSENDEN NITRIERUNGSSCHRITT WÄHREND EINES TEMPERATURABFALLS

Title (fr)

PROCEDE DE CARBONITRURATION A ETAPE DE NITRURATION FINALE PENDANT UNE DESCENTE DE TEMPERATURE

Publication

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Application

EP 12772768 A 20121008

Priority

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Abstract (en)

[origin: WO2013064337A1] The invention relates to a method for the carbonitriding of steel parts, in particular parts used in the manufacture of automobiles, comprising: a heating step that includes a simple heating phase (M) followed by an initial nitridation phase (Ni) from a temperature between 700° C and 750° C to a temperature between 860° C and 1000° C and is carried out using a reduced temperature gradient compared to the simple heating phase; and alternate cementing (C1-Cn) and nitridation (N1- Nn) steps at constant temperature; wherein the final nitridation step is accompanied with a decrease in temperature immediately before quenching (T).

IPC 8 full level

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