

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).

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EP 1454998 A1 20040908 - KOYO THERMO SYS CO LTD [JP]

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