

Title (en)

Method of manufacturing carburized steel products.

Title (de)

Verfahren zum Aufholen von Stahlteilen.

Title (fr)

Procédé de carburation de produits d'acier.

Publication

EP 0682123 A1 19951115 (EN)

Application

EP 94106435 A 19940425

Priority

- EP 94106435 A 19940425
- JP 11356094 A 19940428

Abstract (en)

This invention is concerned with the processing method of carburized product with an increased hardening depth, in which boron treated steel comprising by weight percent 0.18 SIMILAR 0.35 % C, 0.06 SIMILAR 0.3 % Si, 0.5 SIMILAR 1.5 % Mn, <1 % Cr, <0.02 % S, <0.03 % P, 0.01 SIMILAR 0.08 % Al, <0.05 % Ti, <0.012 % N2, <0.003 % O2 and 0.0005 SIMILAR 0.003 % B is carburized at the temperature range of 925 SIMILAR 1050 DEG C. As described in the above, if the steel products made of boron treated steel are <IMAGE>

IPC 1-7

C23C 8/22

IPC 8 full level

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CPC (source: EP)

C23C 8/22 (2013.01)

Citation (search report)

- [X] US 4495004 A 19850122 - GRILLI WALTER [IT], et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 6, no. 180 (C - 125) 14 September 1982 (1982-09-14)
- [X] PATENT ABSTRACTS OF JAPAN vol. 8, no. 67 (C - 216) 29 March 1984 (1984-03-29)
- [X] PATENT ABSTRACTS OF JAPAN vol. 6, no. 186 (C - 126) 22 September 1982 (1982-09-22)
- [X] PATENT ABSTRACTS OF JAPAN vol. 7, no. 285 (C - 201) 20 December 1983 (1983-12-20)
- [A] DATABASE WPI Derwent World Patents Index; AN 74-80131V C46, "carbiriased steel for motor-driven link chains"
- [A] DATABASE WPI Derwent World Patents Index; AN 84-228686 C37, "carbiriased steel parts prodn."
- [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 458 (C - 0766) 3 October 1990 (1990-10-03)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

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