

Title (en)

Process for vacuum carburizing in a treatment furnace

Title (de)

Verfahren zur Vakuumaufkohlung unter Behandlungsgas

Title (fr)

Procédé de cémentation sous vide sous un gaz de traitement

Publication

EP 0947600 A3 20030312 (DE)

Application

EP 99100982 A 19990121

Priority

DE 19815233 A 19980404

Abstract (en)

[origin: EP0947600A2] Steel is gas carburized using propane mixed with at least an equal quantity of hydrogen, while pumping away the propane decomposition products. Vacuum carburizing of steel is carried out at up to 20 mbar pressure and at 250 degrees C using propane mixed with hydrogen in the ratio 1:1-2, the propane decomposition products being withdrawn by a pump connected to the treatment chamber.

IPC 1-7

C23C 8/22

IPC 8 full level

C23C 8/20 (2006.01); **C23C 8/22** (2006.01)

CPC (source: EP)

C23C 8/22 (2013.01)

Citation (search report)

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