

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and at 250 degrees C using propane mixed with hydrogen in the ratio 1:1-2, the propane decomposition products being withdrawn by a pump connected to the treatment chamber.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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- [A] DE 4110361 A1 19921001 - LINDE AG [DE]
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