

Title (en)

Method of carburizing metallic workpieces in a vacuum furnace

Title (de)

Verfahren zur Aufkohlung metallischer Werkstücke in einem Vakuum-Ofen

Title (fr)

Procédé de cémentation de pièces métalliques dans un four sous vide

Publication

EP 0882811 B2 20101215 (DE)

Application

EP 97108860 A 19970603

Priority

EP 97108860 A 19970603

Abstract (en)

[origin: EP0882811A1] The method concerns carburisation of metal workpieces in a vacuum furnace, according to which the furnace atmosphere contains a carbon carrier which under the process conditions is split for delivery of pure carbon. The carbon carrier used is a hydrocarbon with a carbon to hydrogen ratio of 1:1, preferably acetylene.

IPC 8 full level

C23C 8/22 (2006.01); **C23C 8/38** (2006.01)

CPC (source: EP)

C23C 8/22 (2013.01); **C23C 8/38** (2013.01)

Citation (opposition)

Opponent :

- DE 2216688 A1 19730111 - HAYES INC C I
- EP 0818555 A1 19980114 - JH CORP [JP]

Cited by

DE102009041927A1; DE10209382B4; FR2847591A1; DE102009041927B4; DE10322563B3; EP1391525A1; FR2821362A1; US6846366B2; WO02068707A1; WO03097893A1; US7160576B2; US7118634B2; EP3447163A1; US10752984B2; EP2886668A1; WO2015091103A1; US7513958B2; EP0818555B2

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