

Title (en)

LOW PRESSURE CARBONITRIDING METHOD FOR METAL ALLOY PARTS

Title (de)

VERFAHREN ZUM NIEDERDRÜCK-NITROCARBURIEREN METALLISCHER WERKSTÜCKE

Title (fr)

PROCEDE DE CARBONITRURATION A BASSE PRESSION DE PIECES EN ALLIAGE METALLIQUE

Publication

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Application

**EP 99915850 A 19990427**

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Abstract (en)

[origin: WO9955928A1] The invention concerns a method for carbonitriding metal alloy parts which consists in treating said parts with a fuel mixture consisting of ethylene and hydrogen and with a nitriding gas consisting of ammonia, under pressure less than 100 hPa and at a temperature of about 750 to 1050 DEG C. The invention is particularly advantageous for treating passivable and stainless steel since it enables to attain very high surface enrichment in nitrogen.

IPC 1-7

**C23C 8/32**

IPC 8 full level

**C23C 8/32** (2006.01)

CPC (source: EP)

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Cited by

CN103946411A; US8303731B2; US8784575B2; US10156006B2; US10934611B2; US9617632B2; US10246766B2; US11035032B2; EP1885904B2

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