

Title (en)

Corrosion resistant steel components and method of manufacture.

Title (de)

Korrosionsbeständige Werkstücke aus Stahl und Verfahren zu deren Herstellung.

Title (fr)

Pièces d'acier résistant à la corrosion et procédé pour leur fabrication.

Publication

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Application

EP 86117233 A 19821011

Priority

- EP 82305400 A 19821011
- GB 8131133 A 19811015
- GB 8138318 A 19811218
- GB 8205999 A 19820226
- GB 8220495 A 19820715

Abstract (en)

A non-alloy steel component is nitrocarburised at 550 DEG C to 720 DEG C for up to 4 hours in a nitriding gaseous atmosphere eg ammonia or ammonia and endothermic or exothermic gas. The component is then cooled polished or lapped to a surface roughness of not more than 0.2 micrometres Ra, reheated in air to oxidise and finally quenched. These techniques give a good corrosion resistance to the component.

IPC 1-7

C23C 8/80; **C23C 8/26**

IPC 8 full level

C21D 9/00 (2006.01); **C23C 8/26** (2006.01); **C23C 8/34** (2006.01); **C23C 8/80** (2006.01)

CPC (source: EP)

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Cited by

EP2053144A4; GB2383800A; EP0733720A1; EP1052306A4; DE102004025865A1; EP1215411A3; EP4008802A1; EP4008803A1; US7520940B2; WO2010031702A1; WO2014002120A1

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