

Title (en)

Process for improving the corrosion resistance of nitrocarbonized steel components.

Title (de)

Verfahren zur Verbesserung der Korrosionsbeständigkeit nitrocarburierter Bauteile aus Eisenwerkstoffen.

Title (fr)

Procédé d'amélioration de la résistance à la corrosion d'objets en acier nitrocarburisé.

Publication

**EP 0472957 A1 19920304 (DE)**

Application

**EP 91113185 A 19910806**

Priority

DE 4027011 A 19900827

Abstract (en)

To improve the corrosion resistance, nitrocarburised components of ferrous materials are, after an oxidation treatment, dipped into a solution of a curable synthetic resin and heat-treated at 80 to 200 DEG C.

Abstract (de)

Zur Verbesserung der Korrosionsbeständigkeit werden nitrocarburisierte Bauteile aus Eisenwerkstoffen nach einer Oxidationsbehandlung in eine Lösung eines aushärtbaren Kunstharzes getaucht und bei 80 bis 200 ° C wärmebehandelt.

IPC 1-7

**C23C 8/80**

IPC 8 full level

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CPC (source: EP US)

**C23C 8/80** (2013.01 - EP US)

Citation (search report)

- [Y] WO 8705335 A1 19870911 - FOX PATRICK L
- [Y] EP 0053521 A2 19820609 - LUCAS IND PLC [GB]
- [A] EP 0217421 A2 19870408 - LUCAS IND PLC [GB]

Cited by

FR2925524A1; DE102007060085B4; DE102007060085A1; DE102006054280A1; DE102006054280B4

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