

Title (en)

Method for surface treatment of mechanical pieces subjected to wear and corrosion

Title (de)

Verfahren zur Oberflächenbehandlung von mechanischen Werkstücken , die Verschleiss und Korrosion ausgesetzt sind

Title (fr)

Procédé de traitement superficiel de pièces mécaniques soumises à la fois à l'usure et à la corrosion

Publication

EP 1180552 B1 20110216 (FR)

Application

EP 01402028 A 20010726

Priority

FR 0010633 A 20000814

Abstract (en)

[origin: EP1180552A1] A method for the surface treatment of mechanical components involves consecutively nitriding the component and then oxidising it. The nitriding is carried out by immersing the component in a sulphur free nitriding bath of molten salts at a temperature of between 500 and 700oC and the oxidation is carried out in an oxidising aqueous solution at a temperature of less than about 200oC. An Independent claim is included for components treated by this method and having a rugosity of less than 0.5 mu m and with a surface free from tables.

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

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