

Title (en)

PROCESS TO SUPPRESS SURFACE DEPOSITS DURING SALT BATH NITRIDING OF STRUCTURAL PARTS

Publication

EP 0077926 B1 19851204 (DE)

Application

EP 82108892 A 19820925

Priority

DE 3142318 A 19811024

Abstract (en)

[origin: ES8401531A1] Low cyanide nitriding salt baths which are composed of alkali cyanate and alkali carbonate and used for treating components made of steel and iron produce coatings on the surface of the component in some cases and can lead to problems in the use of the components. A satisfactory surface quality can be obtained from nitriding salt baths which additionally contain 0.5 to 100 ppm of selenium.

IPC 1-7

C23C 8/50

IPC 8 full level

C23C 8/24 (2006.01); **C23C 8/48** (2006.01); **C23C 8/50** (2006.01)

CPC (source: EP US)

C23C 8/50 (2013.01 - EP US)

Cited by

EP0152587A3; US6496006B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0077926 A1 19830504; EP 0077926 B1 19851204; AT E16821 T1 19851215; AU 555316 B2 19860918; AU 8841182 A 19830428; BR 8206180 A 19830920; CA 1208527 A 19860729; DE 3142318 A1 19830505; DE 3267827 D1 19860116; DK 156491 B 19890828; DK 156491 C 19900212; DK 470282 A 19830425; EG 15636 A 19890130; ES 516409 A0 19831201; ES 8401531 A1 19831201; FI 70053 B 19860131; FI 70053 C 19860912; FI 823106 A0 19820908; FI 823106 L 19830425; HU 188217 B 19860328; IN 155704 B 19850223; JP H0217622 B2 19900423; JP S5877567 A 19830510; PT 75706 A 19821101; PT 75706 B 19850628; RO 85594 A 19850315; RO 85594 B 19850330; TR 21943 A 19851128; US 4492604 A 19850108; YU 237482 A 19850320; YU 43102 B 19890228; ZA 826635 B 19830727

DOCDB simple family (application)

EP 82108892 A 19820925; AT 82108892 T 19820925; AU 8841182 A 19820915; BR 8206180 A 19821022; CA 414031 A 19821022; DE 3142318 A 19811024; DE 3267827 T 19820925; DK 470282 A 19821022; EG 62782 A 19821023; ES 516409 A 19821011; FI 823106 A 19820908; HU 338582 A 19821022; IN 1258CA1982 A 19821022; JP 18149482 A 19821018; PT 7570682 A 19821020; RO 10885482 A 19821022; TR 2194382 A 19821006; US 43540182 A 19821020; YU 237482 A 19821021; ZA 826635 A 19820909