

Title (en)

Process for cleaning and conditioning the surface of an electrolytically oxidizable metal alloy by hyperanodizing said surface

Title (de)

Verfahren zum Reinigen und Konditionieren der Oberfläche elektrolytisch oxidierbarer Metalle oder Legierungen durch Hyperanodisieren

Title (fr)

Procédé de nettoyage et conditionnement de la surface d'un métal ou alliage électrolytiquement oxydable par hyperanodisation de cette surface

Publication

EP 0657564 B1 19990421 (EN)

Application

EP 94203574 A 19941207

Priority

IT MI932585 A 19931209

Abstract (en)

[origin: EP0657564A1] The process consists in submitting the surface layer of an electrolytically oxidizable metal to the action of an electrical field with a higher field intensity than the breakdown intensity during an anodizing step. Under such conditions, extremely intense energy exchanges occur in a region confined on the surface of the immersed article; the resulting physical and chemical processes cause, among others, any impurities to be nearly immediately removed, and a useful surface conditioning layer for subsequent processes to be produced. The process is particularly useful for high-speed treatment of bands of light alloy or other oxidizable materials.

IPC 1-7

C25F 1/04; C25F 1/00; C25F 1/02

IPC 8 full level

C25F 1/00 (2006.01)

CPC (source: EP)

C25F 1/00 (2013.01)

Cited by

US5981084A; US5958604A; US5700366A; CN102787346A; US6267870B1; WO9748839A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IE LI SE

DOCDB simple family (publication)

EP 0657564 A1 19950614; **EP 0657564 B1 19990421**; AT E179228 T1 19990515; DE 69418004 D1 19990527; DE 69418004 T2 19991021; ES 2131632 T3 19990801; IT 1265263 B1 19961031; IT MI932585 A0 19931209; IT MI932585 A1 19950609

DOCDB simple family (application)

EP 94203574 A 19941207; AT 94203574 T 19941207; DE 69418004 T 19941207; ES 94203574 T 19941207; IT MI932585 A 19931209