

Title (en)

PROCESS FOR THE ELECTROLYTIC STRIPPING OF A PROTECTIVE COATING, HAVING A HIGH CONTENT OF CHROMIUM AND NICKEL AND/OR COBALT, FROM THE SUBSTRATE OF AN OBJECT MADE OF A SUPERALLOY

Publication

EP 0318886 B1 19920722 (DE)

Application

EP 88119777 A 19881128

Priority

CH 467387 A 19871201

Abstract (en)

[origin: US4894130A] Process for electrolytically detaching a high chromium and nickel and/or cobalt containing protective coating (7) from a base metal (4) that is made of a nickel-based or cobalt-based superalloy by means of activation in NaOH and HCl and subsequent submersion as the anode into an electrolyte (2), which contains oxidizing components that release oxygen. In the electrolytic process the chromium-depleted and nickel-enriched diffusion zone (9) of the protective coating (7) is preferably attacked and detached; said zone developing electro-negatively with respect to the surrounding regions.

IPC 1-7

C23F 1/44; **C25F 5/00**

IPC 8 full level

C23F 1/44 (2006.01); **C25F 5/00** (2006.01)

CPC (source: EP US)

C23F 1/44 (2013.01 - EP US); **C25F 5/00** (2013.01 - EP US)

Cited by

CN114075690A; DE10259364A1; EP1094134A1; EP0854208A1; US5985127A; DE10259363A1; SG93295A1; EP1010782A1; SG81336A1; EP2053145A1; US6969457B2; US8673405B2; US6176999B1; US6352636B1; WO2007147655A1; WO2009053154A1

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