

Title (en)

Process for removing protective coatings and bonding layers from metal parts.

Title (de)

Verfahren zum Entfernen von Schutz- und Verbindungsschichten von Metallgegenständen.

Title (fr)

Procédé pour enlever des revêtements protecteurs et des couches de liaison de pièces métalliques.

Publication

EP 0237153 A1 19870916 (EN)

Application

EP 87300550 A 19870122

Priority

US 82671886 A 19860206

Abstract (en)

A process for removing protective coatings and/or bonding layers from metal parts, particularly gamma prime hardened nickel base alloy, solid solution superalloy, iron base superalloy, and cobalt base superalloy parts to render them brazable or otherwise bondable. The process uses a C-O-H-F atmosphere as the primary stripping material wherein the atmosphere has a H/O ratio of 10<4> or greater. The preferred source of the C-O-H-F atmosphere is thermal decomposition of a fluorocarbon resin.

IPC 1-7

C23F 1/44; **C23G 5/00**

IPC 8 full level

C23F 1/12 (2006.01); **C23F 1/44** (2006.01); **C23G 5/00** (2006.01)

CPC (source: EP)

C23F 1/12 (2013.01); **C23F 1/44** (2013.01); **C23G 5/00** (2013.01)

Citation (search report)

- [AD] EP 0034041 A1 19810819 - UNIV DAYTON [US]
- [AD] EP 0003660 A1 19790822 - UNIV DAYTON [US]
- [AD] US 4405379 A 19830920 - CHASTEEN JACK W [US]
- [A] US 2571328 A 19511016 - BAKER JOHN C
- [A] EP 0020935 A1 19810107 - IBM [US]
- [A] FR 2198004 A1 19740329 - GEN ELECTRIC [US]

Cited by

US6416589B1; DE112006002001B4; DE19960353A1; EP1076114A1; EP0416400A1; EP1275753A1; FR2827308A1; EP0814179A1; US5129958A; DE4228551A1; DE4228551C2; US5207836A; US11492693B2; WO2019057555A1; WO0048751A1; WO03006712A1

Designated contracting state (EPC)

BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0237153 A1 19870916; **EP 0237153 B1 19910502**; AU 586530 B2 19890713; AU 6783987 A 19870813; DE 3769677 D1 19910606

DOCDB simple family (application)

EP 87300550 A 19870122; AU 6783987 A 19870120; DE 3769677 T 19870122