

Title (en)

METHOD FOR REDUCING THE LEVEL OF RADIOACTIVITY OF A METAL PART

Title (de)

VERFAHREN ZUM ABBAU DER RADIOAKTIVITÄT EINES METALLTEILES

Title (fr)

PROCEDE POUR LA SUPPRESSION DE LA RADIOACTIVITE D'UNE PIECE METALLIQUE

Publication

EP 1082728 A1 20010314 (DE)

Application

EP 99927700 A 19990421

Priority

- DE 9901203 W 19990421
- DE 19818772 A 19980427

Abstract (en)

[origin: DE19818772A1] The invention relates to a method for reducing the level of radioactivity of a metal part. To this end, an oxide layer is firstly removed from the metal part by using a decontamination solution. Afterwards, an oxidizing agent which is still present is removed from the decontamination solution. As a result, a layer of the metal is removed. The remaining metal can be delivered to a common scrap yard since radionuclides are only found in the layer of the metal part located close to the surface.

IPC 1-7

G21F 9/00

IPC 8 full level

G21F 9/28 (2006.01); **C02F 1/70** (2006.01); **C02F 1/74** (2006.01); **C02F 1/78** (2006.01); **C22B 3/42** (2006.01); **G21F 9/00** (2006.01)

CPC (source: EP KR US)

G21F 9/00 (2013.01 - KR); **G21F 9/004** (2013.01 - EP US)

Cited by

DE102013102331B3; DE102012023938A1; WO2018149862A1; WO2013041595A1; US9502146B2

Designated contracting state (EPC)

BE CH DE ES FI FR GB IT LI NL SE

DOCDB simple family (publication)

DE 19818772 A1 19991104; **DE 19818772 C2 20000531**; AR 016220 A1 20010620; BR 9909968 A 20001226; BR 9909968 B1 20110419; CA 2329814 A1 19991104; CA 2329814 C 20070109; DE 59902279 D1 20020912; EP 1082728 A1 20010314; EP 1082728 B1 20020807; ES 2180306 T3 20030201; JP 2002513163 A 20020508; JP 3881515 B2 20070214; KR 100446810 B1 20040901; KR 20010071186 A 20010728; MX PA00010614 A 20020604; TW 418404 B 20010111; US 6613153 B1 20030902; WO 9956286 A2 19991104; WO 9956286 A3 19991223

DOCDB simple family (application)

DE 19818772 A 19980427; AR P990101891 A 19990423; BR 9909968 A 19990421; CA 2329814 A 19990421; DE 59902279 T 19990421; DE 9901203 W 19990421; EP 99927700 A 19990421; ES 99927700 T 19990421; JP 2000546371 A 19990421; KR 20007011975 A 20001027; MX PA00010614 A 19990421; TW 88106490 A 19990423; US 69932000 A 20001027