

Title (en)

METHOD AND INSTALLATION FOR DECONTAMINATING METALLIC SURFACES

Title (de)

VERFAHREN UND ANLAGE ZUR DEKONTAMINATION METALLISCHER OBERFLÄCHEN

Title (fr)

PROCEDE ET INSTALLATION DE DECONTAMINATION DE SURFACES METALLIQUES

Publication

EP 1060476 B1 20061115 (FR)

Application

EP 99903548 A 19990216

Priority

- BE 9900019 W 19990216
- BE 9800132 A 19980220

Abstract (en)

[origin: WO9943006A1] The invention concerns a method for decontaminating metallic surfaces, whereby the latter are treated with a cerium acid solution having valence 4<+>, the ceric ion being regenerated with ozone. The method is characterised in that the metallic surface is treated at a temperature ranging between 60 DEG C and 90 DEG C with an acid solution containing cerium with valence 4<+>, the cerium with valence 4<+> being continuously regenerated at substantially the same temperature as that of said solution, said regeneration being carried out by injecting ozone into the decontaminating solution in a gas-liquid contactor (2) of the static mixer type wherein the ozone and the cerium-based acid solution are transported in cocurrent.

IPC 8 full level

G21F 9/00 (2006.01)

CPC (source: EP)

G21F 9/004 (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9943006 A1 19990826; AT E345571 T1 20061215; BE 1011754 A3 19991207; DE 69933997 D1 20061228; DE 69933997 T2 20070510; EP 1060476 A1 20001220; EP 1060476 B1 20061115; ES 2277425 T3 20070701

DOCDB simple family (application)

BE 9900019 W 19990216; AT 99903548 T 19990216; BE 9800132 A 19980220; DE 69933997 T 19990216; EP 99903548 A 19990216; ES 99903548 T 19990216