

Title (en)

Method for decontaminating an oxidised surface of a component or a system of a nuclear plant

Title (de)

Verfahren zur Dekontamination einer eine Oxidschicht aufweisenden Oberfläche einer Komponente oder eines Systems einer kerntechnischen Anlage

Title (fr)

Procédé de décontamination d'une surface comprenant une couche d'oxyde d'un composant ou d'un système d'une installation nucléaire

Publication

**EP 1968075 A1 20080910 (DE)**

Application

**EP 08009058 A 20061115**

Priority

- EP 06818538 A 20061115
- DE 102005056727 A 20051129

Abstract (en)

Decontaminating the surface involves treating the oxide layer with a gaseous oxidant such as ozone or nitric oxide. When treating the oxide layer a water film is maintained and a water-soluble oxidant is used. Hot air, hot steam or an external heating device can be used to supply heat to the surface. Following the oxidation treatment the oxide layer can be treated with an aqueous solution of an organic acid.

Abstract (de)

Die Erfindung betrifft ein Verfahren zur Dekontamination einer eine Oxidschicht aufweisenden Oberfläche einer Komponente oder eines Systems einer kerntechnischen Anlage, bei dem die Oxidschicht mit gasförmigem Stickoxid (NO<sub>x</sub>) als Oxidationsmittel behandelt wird.

IPC 8 full level

**G21F 9/00** (2006.01); **G21F 9/28** (2006.01)

CPC (source: EP KR US)

**G21F 9/002** (2013.01 - EP US); **G21F 9/004** (2013.01 - EP US); **G21F 9/28** (2013.01 - EP KR US)

Citation (applicant)

- EP 0160831 B1 19911204
- EP 0753196 B1 19980930 - SIEMENS AG [DE]

Citation (search report)

- [X] WO 9853462 A1 19981126 - BRITISH NUCLEAR FUELS PLC [GB], et al
- [A] US 4287002 A 19810901 - TOROK JOHN
- [A] US 2004035443 A1 20040226 - YAITA YUMI [JP], et al
- [A] EP 0727243 A1 19960821 - COMMISSARIAT ENERGIE ATOMIQUE [FR]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**WO 2007062743 A2 20070607; WO 2007062743 A3 20070927**; AR 058844 A1 20080227; AR 064520 A2 20090408; AT E507566 T1 20110515; AT E522907 T1 20110915; BR PI0611248 A2 20090707; BR PI0621970 A2 20110719; CA 2614249 A1 20070607; CA 2614249 C 20101116; CA 2633626 A1 20070607; CA 2633626 C 20100504; CN 101199026 A 20080611; CN 101199026 B 20120222; CN 101286374 A 20081015; CN 101286374 B 20120222; DE 502006009409 D1 20110609; EP 1955335 A2 20080813; EP 1955335 B1 20110427; EP 1968075 A1 20080910; EP 1968075 B1 20110831; ES 2365417 T3 20111004; ES 2371685 T3 20120109; JP 2009517638 A 20090430; JP 2010107196 A 20100513; JP 2011169910 A 20110901; JP 4876190 B2 20120215; JP 4881389 B2 20120222; KR 100879849 B1 20090122; KR 100960783 B1 20100601; KR 20080009767 A 20080129; KR 20080016701 A 20080221; MX 2008000630 A 20080313; SI 1955335 T1 20110930; SI 1968075 T1 20111230; TW 200729233 A 20070801; TW 200826119 A 20080616; TW I376698 B 20121111; TW I406299 B 20130821; US 2008190450 A1 20080814; US 2009250083 A1 20091008; US 8021494 B2 20110920; US 8608861 B2 20131217; ZA 200709783 B 20081126; ZA 200800291 B 20090826

DOCDB simple family (application)

**EP 2006010927 W 20061115**; AR P060105258 A 20061129; AR P070105887 A 20071226; AT 06818538 T 20061115; AT 08009058 T 20061115; BR PI0611248 A 20061115; BR PI0621970 A 20061115; CA 2614249 A 20061115; CA 2633626 A 20061115; CN 200680021755 A 20061115; CN 200810108150 A 20061115; DE 502006009409 T 20061115; EP 06818538 A 20061115; EP 08009058 A 20061115; ES 06818538 T 20061115; ES 08009058 T 20061115; JP 2008067461 A 20080317; JP 2008541618 A 20061115; JP 2011089207 A 20110413; KR 20077030953 A 20061115; KR 20077031054 A 20071231; MX 2008000630 A 20061115; SI 200631067 T 20061115; SI 200631179 T 20061115; TW 95143668 A 20061127; TW 97105008 A 20061127; US 10327108 A 20080415; US 10328608 A 20080415; ZA 200709783 A 20071108; ZA 200800291 A 20080110