

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_x) 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)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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