Title (en)

PROCESS FOR DECONTAMINATION OF SURFACES OF PARTS OF THE COOLING CIRCUIT OF A NUCLEAR REACTOR

Title (de)

VERFAHREN ZUR OBERFLÄCHEN-DEKONTAMINATION VON BAUTEILEN DES KÜHLMITTELKREISLAUFS EINES KERNREAKTORS

Title (fr)

PROCÉDÉ DE DÉCONTAMINATION DES COMPOSÉES DE CIRCUIT DE REFROIDISSEMENT D'UN RÉACTEUR NUCLÉAIR

Publication

EP 2923360 A1 20150930 (DE)

Application

EP 13815419 A 20131211

Priority

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- EP 2013076155 W 20131211

Abstract (en)

[origin: WO2014117894A1] The invention relates to a method for the chemical decontamination of a surface, having an oxide layer, of a metallic component part of the coolant system of a nuclear power plant, said method comprising at least one oxidation step, in which the oxide layer is treated with an aqueous solution containing an oxidant, and a subsequent decontamination step, in which the oxide layer is treated with an aqueous solution of a decontamination acid, which has the property of forming, with metal ions, in particular with nickel ions, a poorly soluble precipitate. Prior to implementing the decontamination step, metal ions which have dissolved during the oxidation step are removed from the aqueous solution with the aid of a cation exchanger.

IPC 8 full level

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CPC (source: CN EP US)

G21F 9/004 (2013.01 - CN EP US); **G21F 9/28** (2013.01 - CN EP US); **G21F 9/30** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2014117894A1

Cited by

WO2018134067A1; US11443863B2

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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