

Title (en)

Process and device for decontaminating a used nuclear steam-generator

Title (de)

Verfahren und Einrichtung zur Dekontaminierung eines gebrauchten nuklearen Dampferzeugers

Title (fr)

Procédé et installation de décontamination d'un générateur de vapeur nucléaire usagé

Publication

EP 0555127 B1 19960424 (FR)

Application

EP 93400219 A 19930128

Priority

FR 9201171 A 19920203

Abstract (en)

[origin: EP0555127A1] The primary part comprises a bundle (18) of U-shaped tubes connected to a water box (22), the bundle (18) comprising healthy tubes with open ends and defective tubes with blocked ends. According to the process the bundle (18) is subdivided into a number of subassemblies (106), each comprising a substantially identical number of tubes. An acidic decontaminating solution containing cerium is circulated successively in each subassembly (106), simultaneously in all the healthy tubes of the subassembly. The ends of the decontaminated healthy tubes are then plugged, the plugs of the undecontaminated defective tubes are pierced and the decontaminating solution is circulated in the water box (22) and the defective tubes. The liquid effluents are neutralised, taken to dryness and confined in standard storage enclosures. <IMAGE>

IPC 1-7

G21F 9/00; **F22B 37/48**; **C23G 1/08**

IPC 8 full level

C23G 1/08 (2006.01); **F22B 37/48** (2006.01); **F28F 9/02** (2006.01); **G21F 9/00** (2006.01)

CPC (source: EP)

C23G 1/085 (2013.01); **F22B 37/483** (2013.01); **F28F 9/02** (2013.01); **G21F 9/004** (2013.01)

Cited by

FR2710182A1; EP0727243A1; FR2730641A1; EP0628969A1; FR2706217A1; BE1011754A3; DE19541501A1; CN112481624A; WO9943006A1; WO9508173A1

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