

Title (en)

Process for restoring the heat exchanger of a nuclear power station.

Title (de)

Verfahren zur Wiederherstellung eines Kernkraftwerkwärmeaustauschers.

Title (fr)

Procédé de remise en état d'un échangeur de chaleur de centrale nucléaire.

Publication

EP 0628969 A1 19941214 (FR)

Application

EP 94401266 A 19940607

Priority

FR 9306854 A 19930608

Abstract (en)

This heat exchanger (1), including elements contaminated by radiation, comprises a water (header) box (2) divided by a wall (3) into two partial water boxes (2A, 2B), each of which is connected to a cooling water circuit via a connection pipe (6A, 6B). The water box and its connection pipes are treated with acidic decontamination solutions comprising valency IV cerium regenerated with ozone. A soft decontamination solution with pH lying between 2.5 and 3 is first circulated through each partial water box (2A, 2B) and through its connection pipe (6A, 6B). The connection pipes (6A, 6B) are then separated from the water box (2) and a hard decontamination solution with the pH lying between 0.5 and 1 is circulated through each partial water box (2A, 2B). The worn water box is replaced with a new water box. <IMAGE>

IPC 1-7

G21F 9/00; **F22B 37/48**; **F28G 9/00**

IPC 8 full level

F22B 37/48 (2006.01); **F28G 9/00** (2006.01); **G21F 9/00** (2006.01)

CPC (source: EP)

F22B 37/483 (2013.01); **F28G 9/00** (2013.01); **G21F 9/004** (2013.01)

Citation (search report)

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