

Title (en)

PROCESS FOR ELIMINATING DEPOSITS IN A STEAM GENERATOR OF A NUCLEAR PRESSURIZED WATER REACTOR

Publication

EP 0158566 B1 19890802 (FR)

Application

EP 85400625 A 19850329

Priority

FR 8405377 A 19840405

Abstract (en)

[origin: US4686067A] Process for the elimination of corrosion products formed on the tube plate and in the gaps between the tubes and the spacer plates of a steam generator of a pressurized water nuclear reactor, in order to prevent the appearance of a corrosion phenomena, which can lead to necking or denting of tubes by oxide growth. The process consists of reacting with said oxides at between 50 DEG and 100 DEG C., an aqueous solution containing 6 to 8% gluconic acid, 3 to 5% citric acid, approximately 0.5% of a corrosion inhibitor and ammonia until a pH between approximately 3 and 9.5 is obtained.

IPC 1-7

G21F 9/00

IPC 8 full level

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

CPC (source: EP US)

G21F 9/004 (2013.01 - EP US)

Citation (examination)

Anales de Quimica - Madrid, vol. 76, 1978, pages 17-21: "Electromigration Behaviour of Complexes between Fe(II) and Cu(III) ions and gluconic acid", by J. Gonzales-Velasco

Cited by

FR2656630A1; EP0273182A1; EP0787832A1; US5916379A

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