

Title (en)
Process for decontaminating surfaces

Title (de)
Verfahren zur Dekontamination von Oberflächen

Title (fr)
Procédé pour décontaminer des surfaces

Publication
EP 0313843 B2 19980513 (DE)

Application
EP 88116003 A 19880928

Priority
CH 384687 A 19871002

Abstract (en)
[origin: WO8903113A1] A process for decontaminating surfaces contaminated with radioactive substances, in particular of components of cooling circuits of nuclear reactors, comprises a first treatment stage with an aqueous decontaminating solution containing chromic acid and permanganic acid in a temperature range between 270 and 350 K, in particular at the usual ambient temperature. The contaminated surface layers are oxidized by the permanganic acid, whereas the chromic acid reduces the adherence of the modified surface layers. During a second treatment stage, the thus modified surface layers are dissolved by a chemical treatment in the same temperature range and/or removed by mechanical or hydraulic abrasion. Aqueous solutions of organic acids, to which reducing and complexing agents, and/or corrosion inhibitors can be added, are appropriate for the second stage of chemical treatment.

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G21F 9/00

IPC 8 full level
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CPC (source: EP KR US)
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EP 0313843 A1 19890503; EP 0313843 B1 19920708; EP 0313843 B2 19980513; CH 673545 A5 19900315; DE 3872656 D1 19920813; ES 2034088 T3 19930401; ES 2034088 T5 19981001; JP H02503600 A 19901025; KR 890702211 A 19891223; KR 970011260 B1 19970708; US 5093073 A 19920303; WO 8903113 A1 19890406

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