

Title (en)
Process for decontamination of objects made from lead

Title (de)
Verfahren zum Dekontaminieren von Bleigegegenständen

Title (fr)
Procédé de décontamination d'objets en plomb

Publication
EP 1624466 A1 20060208 (FR)

Application
EP 05107043 A 20050729

Priority
FR 0451756 A 20040802

Abstract (en)
The procedure consists of placing the lead or lead alloy objects, such as nuclear reactor screen blocks, in contact with an alkaline aqueous solution, rinsing with water or an aqueous rinsing solution, followed by contact with an acid aqueous solution and rinsing again. The alkaline solution is of soda or potassium, preferably in a 30 per cent concentration and at a temperature of 60 degrees C, in which the objects are immersed for 10 to 80 minutes as it is agitated. The acid solution is of nitric or acetic acid of similar concentration, at ambient temperature, in which the objects are immersed for preferably 30 minutes. The final rinsing stage is followed by drying.

IPC 8 full level
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CPC (source: EP)
C23G 1/00 (2013.01); **G21F 9/002** (2013.01); **G21F 9/28** (2013.01); **G21F 9/30** (2013.01)

Citation (applicant)

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- US 5591270 A 19970107 - D MUHALA THOMAS F [US]
- US 5678232 A 19971014 - D MUHALA THOMAS FRANCIS [US]
- US 5340505 A 19940823 - HANULIK JOZEF [CH], et al
- GB 1229395 A 19710421
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Citation (search report)

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