

Title (en)

PROCESS FOR THE PURIFICATION OF TRACES OF RADIOACTIVE ELEMENTS GENERATED DURING THE STOCKPILING OF URANIUM  
RESULTING FROM THE PROCESSING OF IRRADIATED NUCLEAR FUELS

Publication

**EP 0306420 B1 19911127 (FR)**

Application

**EP 88420294 A 19880831**

Priority

FR 8712705 A 19870901

Abstract (en)

[origin: JPH01138495A] PURPOSE: To operate and use retreated uranium under normal conditions and to store it again by passing it through a chemically inactive porous substance in liquid-shaped or gas-shaped hexasulfide form. CONSTITUTION: Reprocessed uranium is passed through a chemically inactive porous substance in liquid-shaped or gas-shaped hexasulfide form, where the porous substance should be formed, for example, by nets that are piled up each other and be stainless, nickel, and their alloy. Also, the diameter of the porous substance should be less than 100µm, preferably 50µm. Further, the passage speed of the liquid-shaped or gas-shaped hexasulfide should be 15-100m/ hour and the contact time with the porous substance should be 0.1-10sec.

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**G21F 9/02**

IPC 8 full level

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