

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.

Title (de)

Verfahren zur Entfernung von Spuren radioaktiver Elemente, die während der Lagerung von Uran gebildet werden, das bei der Wiederaufbereitung von nuklearen Brennstoffen anfällt.

Title (fr)

Procédé d'épuration des traces d'éléments radioactifs générés lors du stockage de l'uranium issu du retraitement des combustibles nucléaires irradiés.

Publication

**EP 0306420 A1 19890308 (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.

Abstract (fr)

Procédé de purification de l'uranium issu du retraitement, préalablement séparé des produits des fissions générés dans un réacteur nucléaire, consistant à éliminer les descendants de l'U232 apparaissant au cours du stockage, en faisant passer ledit uranium, sous sa forme hexafluorure, à travers un matériau poreux inerte chimiquement.

IPC 1-7

**G21F 9/02**

IPC 8 full level

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