

Title (en)

Method for removing cesium from aqueous solutions of high nitric acid concentration.

Title (de)

Verfahren zum Entfernen von Cesium aus wässrigen Lösungen mit hoher Salpetersäurekonzentration.

Title (fr)

Procédé pour enlever le césium de solutions aqueuses ayant une haute concentration en acide nitrique.

Publication

**EP 0475635 A1 19920318 (EN)**

Application

**EP 91307879 A 19910828**

Priority

- JP 14227291 A 19910329
- JP 24042090 A 19900910

Abstract (en)

A method for removing cesium, e.g., radioactive nuclides of cesium, from an aqueous solution containing nitric acid in high concentration, such as a high-level radioactive waste solution from the Purex process, comprising sorption on an insoluble ferrocyanide compound as the sorbent, wherein the aqueous solution is mixed with a small amount of a specific oxidation-preventing agent selected from hydrazinium compounds, amidosulphonic acid compounds and several other compounds which do not necessarily have high reducing activity for ferricyanides into ferrocyanides.

IPC 1-7

**G21F 9/12**

IPC 8 full level

**G21F 9/12** (2006.01)

CPC (source: EP)

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Citation (search report)

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