

Title (en)

Device and method for storing spent fuel elements.

Title (de)

Einrichtung und Verfahren zur Lagerung von verbrauchten Brennelementen.

Title (fr)

Dispositif et procédé pour le stockage d'éléments combustibles irradiés.

Publication

**EP 0031048 A1 19810701 (DE)**

Application

**EP 80107437 A 19801127**

Priority

DE 2950198 A 19791213

Abstract (en)

[origin: US4427893A] Apparatus for storing spent fuel assemblies of a nuclear reactor including a fuel-assembly transport cask having a hollow chamber for receiving therein at least one fuel assembly and having a cover for gas-tightly closing off an opening to the hollow chamber, including means for supplying a trace gas into the hollow chamber, an additional cover defining a leakage detection chamber covering the cross-section of the opening to the hollow chamber, and a measuring device for the trace gas connected to the leakage detection chamber for monitoring gas-tightness of the closure of the opening to the hollow chamber, and method for using the apparatus.

Abstract (de)

Zur Lagerung von verbrauchten Brennelementen kann man Brennelement-Transportbehälter (2) einsetzen. Deren Dichtigkeit wird mit einem in den Transportbehälter (2) eingefüllten Spurengas, insbesondere Helium, ermittelt, das in einen Leckageerfassungsraum (11) gelangt, der als zusätzlicher Deckel (10) vorgesehen und mit einer Meßeinrichtung (16) für das Spurengas verbunden ist.

IPC 1-7

**G21F 5/00**

IPC 8 full level

**G21C 19/32** (2006.01); **G21F 5/008** (2006.01); **G21F 9/00** (2006.01); **G21F 9/36** (2006.01)

CPC (source: EP US)

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Citation (search report)

DE 2854358 A1 19790621 - NL INDUSTRIES INC

Cited by

FR2486701A1; EP0978849A1; US4983352A; FR2552519A1; EP0147250A1; GB2166680A; EP0468233A3; US5089214A

Designated contracting state (EPC)

SE

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