

Title (en)

METHOD OF STORING SPENT FUEL RODS IN A COPPER CONTAINER

Publication

EP 0061067 B1 19851113 (DE)

Application

EP 82101891 A 19820310

Priority

SE 8101778 A 19810320

Abstract (en)

[origin: ES8402111A1] Spent fuel rods from a nuclear reactor are enclosed in a body of copper, the fuel rods being embedded in copper powder in a copper container provided with a copper lid. The container with its contents and lid are then subjected to isostatic compression at a pressure and temperature sufficient to form a coherent dense mass unit of the powder, the container and the lid which embeds the fuel rods. The container can be enclosed in a sealed gas-tight capsule prior to the isostatic compression. A preliminary isostatic compression may be conducted at a lower temperature to effect creep deformation of the container, the lid and the powder.

IPC 1-7

G21F 5/00; **G21F 9/36**

IPC 8 full level

G21F 5/005 (2006.01); **G21F 9/30** (2006.01); **G21F 9/36** (2006.01)

CPC (source: EP SE US)

G21F 5/005 (2013.01 - EP US); **G21F 9/28** (2013.01 - SE); **G21F 9/36** (2013.01 - EP US)

Cited by

DE102004059216B3; GB2151068A; DE3720731A1; EP0141967A1; EP0077955A3; EP0104398A1; EP0084840A1; EP2160736A4

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0061067 A1 19820929; **EP 0061067 B1 19851113**; CA 1190332 A 19850709; DE 3267356 D1 19851219; ES 510536 A0 19840101; ES 8402111 A1 19840101; FI 72008 B 19861128; FI 72008 C 19870309; FI 820964 L 19820921; JP H0245839 B2 19901011; JP S57168200 A 19821016; SE 425707 B 19821025; SE 8101778 L 19820921; US 4491540 A 19850101

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EP 82101891 A 19820310; CA 398902 A 19820319; DE 3267356 T 19820310; ES 510536 A 19820317; FI 820964 A 19820319; JP 4368182 A 19820318; SE 8101778 A 19810320; US 35889982 A 19820317