

Title (en)

DEVICE AND METHOD FOR PACKAGING NUCLEAR WASTE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERPACKUNG VON NUKLEARABFÄLLEN

Title (fr)

DISPOSITIF ET PROCEDE POUR LE CONDITIONNEMENT DE DECHETS NUCLEAIRES

Publication

EP 2225762 A2 20100908 (FR)

Application

EP 08872827 A 20081219

Priority

- FR 2008001786 W 20081219
- FR 0708968 A 20071221

Abstract (en)

[origin: FR2925753A1] The device (1) has a concrete container (3) whose inner wall delimits a cavity in which a metallic chamber (2) is housed. A recipient (4) is made of thermoplastic polymer of spherulitic morphology and placed inside the chamber to receive nuclear wastes. A component is selected among silicon, imogolite, allophone, vanadium pentoxide or modified clay e.g. montmorillonite, which is modified by ion such as acid or dimethyl tallow benzyl ammonium or by nanoparticle such as carbon nanotube or nanoaluminum. An independent claim is also included for a method for packing nuclear wastes using a packing device.

IPC 8 full level

G21F 1/04 (2006.01); **G21F 1/08** (2006.01); **G21F 1/10** (2006.01); **G21F 5/005** (2006.01); **G21F 5/12** (2006.01)

CPC (source: EP)

G21F 1/04 (2013.01); **G21F 1/08** (2013.01); **G21F 1/10** (2013.01); **G21F 5/005** (2013.01); **G21F 5/12** (2013.01)

Citation (search report)

See references of WO 2009106730A2

Cited by

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

FR 2925753 A1 20090626; **FR 2925753 B1 20091211**; AT E513299 T1 20110715; EP 2225762 A2 20100908; EP 2225762 B1 20110615; WO 2009106730 A2 20090903; WO 2009106730 A3 20091126; WO 2009106730 A4 20100121

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