

## Title (en)

Container for storing radioactive inventory and method for producing the container

## Title (de)

Behälter für die Aufnahme von radioaktivem Inventar sowie Verfahren zur Herstellung des Behälters

## Title (fr)

Réceptient de réception de matériel d'exploitation radioactif et procédé de fabrication du réceptient

## Publication

**EP 3062313 B2 20240306 (DE)**

## Application

**EP 15156784 A 20150226**

## Priority

EP 15156784 A 20150226

## Abstract (en)

[origin: US2016251138A1] A container for radioactive inventory has an end wall, a side wall, and a container lid that form a closed chamber for the radioactive inventory. A plastically deformable layer is provided between the container lid and the inventory and is of such a composition that, in the event of an impact of the inventory against the container lid, at least a majority of the impact forces are uniformly distributable over at least a majority of a surface of the plastically deformable layer.

## IPC 8 full level

**G21F 5/08** (2006.01); **G21F 5/12** (2006.01)

## CPC (source: CN EP US)

**B22D 25/005** (2013.01 - EP US); **B65D 81/022** (2013.01 - US); **B65D 85/70** (2013.01 - US); **G21F 5/015** (2013.01 - CN); **G21F 5/08** (2013.01 - CN EP US); **G21F 5/12** (2013.01 - EP US)

## Citation (opposition)

## Opponent :

- FR 2835958 B1 20041126 - TRANSNUCLEAIRE [FR]
- JP 2014048190 A 20140317 - MITSUBISHI HEAVY IND LTD
- US 4560069 A 19851224 - SIMON B KENNETH [US]
- US 4190160 A 19800226 - ANDERSEN JOHN A [US], et al
- US 2011158372 A1 20110630 - SAITO YOSHIYUKI [JP], et al
- JP 2000121790 A 20000428 - TOSHIBA CORP
- US 2013068578 A1 20130321 - SAITO YUICHI [JP], et al
- S. LE FOULGOC ET AL: "RD26 Packaging: A new solution for plutonium transportation", PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON THERADIOACTIVE MATERIALS TRANSPORT AND STORAGE RAMTRANSPORT, May 2012 (2012-05-01), pages 1 - 8
- RAJENDRAM J. ET AL: "Preliminary investigation of aluminium foam as an energy absorber for nuclear transportation cask", MATERIALS AND DESIGN, vol. 29, no. 9, October 2008 (2008-10-01), pages 1732 - 1739
- SERCO: "Thermal Assessment of the SWTC-285 Transport Container Under Regulatory Transport Conditions", A REPORT TO THE NDA, January 2013 (2013-01-01), pages 1 - 59, Retrieved from the Internet <URL:https://rwm.nda.gov.uk/publication/thermal-assessment-of-the-swtc-285-transport-container/?download>
- INS: "Contents Activity Limits for Miscellaneous Beta Gamma Waste Store Box Package in a SWTC-150 Transport Container", TD.ETS.R.12.305.REV1.DOCX1, 2013
- Contents Activity Limits for Miscellaneous Beta Gamma Waste Store Box Waste Package in an SWTC-150 Transport Container"2013
- Certificat d'Agrement d'un Modele de Colis F/399/B(U)F-96(Ae)2013
- Certificat d'Agrement d'un Modele de Colis F/264/B(U)F-(Hj)"2002
- M.F. Ashby et al., Metal Foams: A Design Guide", Butterworth-Heinemann, 2000
- Wikipedia, "Wärmeleitfähigkeit", [gefunden am 17-04-2019]
- Wikipedia, Edelstahl, [gefunden am 17-04-2019]

## Designated contracting state (EPC)

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

## DOCDB simple family (publication)

**EP 3062313 A1 20160831**; **EP 3062313 B1 20170201**; **EP 3062313 B2 20240306**; BR 102016003387 A2 20161116; CN 105931690 A 20160907; ES 2616735 T3 20170614; JP 2016161571 A 20160905; KR 20160104578 A 20160905; LT 3062313 T 20170310; RU 2016106659 A 20170830; RU 2016106659 A3 20190905; US 2016251138 A1 20160901; US 9604772 B2 20170328

## DOCDB simple family (application)

**EP 15156784 A 20150226**; BR 102016003387 A 20160218; CN 201610107934 A 20160226; ES 15156784 T 20150226; JP 2016025884 A 20160215; KR 20160022783 A 20160225; LT 15156784 T 20150226; RU 2016106659 A 20160225; US 201615051906 A 20160224