Title (en)

METHOD AND DEVICE FOR RELIEVING PRESSURE OF AND INERTISATION OF REFUSE CONTAINERS FOR RADIOACTIVE WASTE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DRUCKENTLASTUNG UND INERTISIERUNG VON ABFALLBEHÄLTERN FÜR RADIOAKTIVE ABFÄLLE

Title (fr)

PROCEDE ET DISPOSITIF DE DECHARGE DE PRESSION ET INERTISATION DE RECIPIENTS A DECHETS POUR DECHETS RADIOACTIFS

Publication

EP 3174066 B1 20180418 (DE)

Application

EP 15196804 A 20151127

Priority

EP 15196804 A 20151127

Abstract (en)

[origin: JP2017096955A] PROBLEM TO BE SOLVED: To provide a method for pressure-releasing and inerting waste containers for radioactive waste, which enables inerting and pressure releasing of the waste containers in a simple, effective, and reliable manner.SOLUTION: In the method for pressure-releasing and inerting waste containers for radioactive waste, an adapter (2) with an adapter inner volume (3) is connected to a container (1), in particular to a container cover (4). Subsequently, the adapter is filled with an inert gas under an overpressure and subsequently a connection is established between a container interior (5) and the adapter inner volume (3) to produce a mixed pressure depending on the pressure difference between the pressure in the container interior (5) and the positive pressure in the adapter inner volume (3). Thereafter, the mixed pressure in the container interior (5) is reduced and then a negative pressure is produced in the container interior (5), and the gas removed from the container interior (5) is replaced by an inert gas.SELECTED DRAWING: Figure 1

IPC 8 full level

G21F 5/12 (2006.01)

CPC (source: CN EP KR)

B65D 90/32 (2013.01 - KR); **G21F 5/00** (2013.01 - CN); **G21F 5/06** (2013.01 - CN); **G21F 5/12** (2013.01 - EP); **G21F 5/14** (2013.01 - KR); **G21F 9/36** (2013.01 - KR)

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 3174066 A1 20170531; **EP 3174066 B1 20180418**; CN 106847355 A 20170613; JP 2017096955 A 20170601; KR 20170062388 A 20170607; TW 201729219 A 20170816

DOCDB simple family (application)

EP 15196804 A 20151127; CN 201611060028 A 20161125; JP 2016228817 A 20161125; KR 20160156262 A 20161123; TW 105138963 A 20161125