

Title (en)
Storage container

Title (de)
Lagerbehälter

Title (fr)
Récipient de stockage

Publication
EP 2172944 A1 20100407 (EN)

Application
EP 09172100 A 20091002

Priority
US 24510608 A 20081003

Abstract (en)
A storage container for hazardous material, such as transuranic waste, has a stainless steel can body covered by a stainless steel lid. The can body has a locking collar welded thereto and a locking ring fastened to the lid removably mounted within the locking collar. Locking tabs on the locking ring are received beneath locking shoulders on locking collar upon rotating the locking to hold the lid closed. A U-shaped handle is pivoted on the locking ring for rotating the locking ring to lock the lid to the locking collar and thus to the can body, the U-shaped handle being further used to lift the storage container. A spring biased locking pin with a thumb operated tab is coaxial with one pintle of the U-shaped handle, the tab being squeezed toward the handle by the operators thumb to unlock the pin against the bias of a coil spring so as to allow the locking ring to rotate to an unlocked position when it is desired to remove the lid from the can body. The storage container is equipped with draining means and venting means.

IPC 8 full level
B65D 25/28 (2006.01); **B65D 51/14** (2006.01); **B65D 51/16** (2006.01); **B65D 53/02** (2006.01); **B65D 85/82** (2006.01); **G21F 5/002** (2006.01); **G21F 5/015** (2006.01); **G21F 5/12** (2006.01)

CPC (source: EP US)
B65D 25/2858 (2013.01 - EP US); **B65D 51/145** (2013.01 - EP US); **B65D 51/1616** (2013.01 - EP US); **B65D 53/02** (2013.01 - EP US); **B65D 85/82** (2013.01 - EP US); **G21F 5/002** (2013.01 - EP US); **G21F 5/12** (2013.01 - EP US); **G21F 5/14** (2013.01 - EP US)

Citation (applicant)
• US 2007246375 A1 20071025 - WICKLAND TERRY J [US], et al
• GB 2217680 A 19891101 - BLEFA FELSER GMBH [DE]

Citation (search report)
• [XYI] US 2007246375 A1 20071025 - WICKLAND TERRY J [US], et al
• [YA] GB 2217680 A 19891101 - BLEFA FELSER GMBH [DE]
• [A] JP 2003302492 A 20031024 - HITACHI LTD
• [A] JP S6486098 A 19890330 - MITSUBISHI HEAVY IND LTD
• [A] US 4643311 A 19870217 - HOEHLEIN GUENTER [DE], et al
• [A] EP 0805115 A1 19971105 - ALLIBERT EQUIPEMENT [FR]

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WO2014140064A1; WO2020236823A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

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EP 2172944 A1 20100407; **EP 2172944 B1 20140917**; EP 2848549 A1 20150318; US 2010084403 A1 20100408

DOCDB simple family (application)
EP 09172100 A 20091002; EP 14184911 A 20091002; US 24510608 A 20081003