

Title (en)

DEVICE FOR DOCKING CONTAINERS FOR THE RECEIPT OF RADIOACTIVE MATERIALS IN A LOCK

Publication

EP 0384143 A3 19901219 (DE)

Application

EP 90101384 A 19900124

Priority

DE 3905362 A 19890222

Abstract (en)

[origin: CA2010124A1] The invention is directed to a docking arrangement for docking a container to a lock having a first side facing into a first chamber wherein contamination is present and a second side facing into a second chamber free of contamination. A lock wall defines the lock opening and a lock cover is adapted to close the lock opening. The container is provided for receiving radioactive materials and has a container vessel which is closed by a container cover. The docking arrangement includes an intermediate cover releasably connectable to the container cover. A holder is provided for engaging the intermediate cover to move the intermediate cover together with the container cover for opening and closing the lock opening. The intermediate cover is disposed between the lock cover and the container cover. An annular member is located on the second side and form-fittingly engages the lock wall. The intermediate cover is subdivided into a first portion covering the container cover and a second portion covering the annular member with the second portion extending to the lock wall. A first set of seals seals the docking arrangement with respect to parts which should not be subjected to contamination. Another set of seals seals the cover with respect to the annular member. The docking arrangement makes possible a rapid and simple exchange for other docking arrangements for containers and their covers having different dimensions without any problems occurring with reference to contamination.

IPC 1-7

G21F 7/005

IPC 8 full level

G21F 5/14 (2006.01); **G21F 7/005** (2006.01); **G21F 7/06** (2006.01)

CPC (source: EP KR US)

G21F 5/00 (2013.01 - KR); **G21F 7/005** (2013.01 - EP US)

Citation (search report)

- [A] EP 0004241 A1 19790919 - COMMISSARIAT ENERGIE ATOMIQUE [FR]
- [A] EP 0269896 A1 19880608 - WIEDERAUFARBEITUNG VON KERNBRE [DE]
- [A] RESEARCH DISCLOSURE, Februar 1978, Seite 12, Zusammenfassung Artikel 16608, Havant, GB; "Transfer system for glove box port"

Cited by

DE10335325A1; DE10335325B4

Designated contracting state (EPC)

CH DE ES FR GB LI SE

DOCDB simple family (publication)

EP 0384143 A2 19900829; EP 0384143 A3 19901219; EP 0384143 B1 19940907; CA 2010124 A1 19900822; DE 3905362 A1 19900823; DE 3905362 C2 19910228; DE 59007012 D1 19941013; ES 2059840 T3 19941116; JP H02248897 A 19901004; KR 900013527 A 19900906; US 4975591 A 19901204

DOCDB simple family (application)

EP 90101384 A 19900124; CA 2010124 A 19900215; DE 3905362 A 19890222; DE 59007012 T 19900124; ES 90101384 T 19900124; JP 3755490 A 19900220; KR 900002306 A 19900222; US 48246090 A 19900221