

Title (en)

Radiation screening arrangement for radioactive material transport container and method of setting up such a radiation screening arrangement

Title (de)

Strahlenschutzvorrichtung für Behälter zum Transport von radioaktiven Stoffen und Verfahren zum Aufstellen einer solchen Strahlenschutzvorrichtung

Title (fr)

Dispositif de protection contre les rayonnements pour conteneur de transport de matières radioactives et procédé de mise en place d'un tel dispositif de protection

Publication

EP 0942435 B1 20030521 (FR)

Application

EP 99420066 A 19990310

Priority

FR 9803331 A 19980313

Abstract (en)

[origin: EP0942435A1] A container (1) for transporting radioactive materials has a radiation shield in the form of a series of adjoining hollow one-piece metal housings (4) bolted to the outer wall of the container and filled with a neutron absorbing material (10). Each housing is tubular in shape and polygonal in cross-section, preferably with four sides. The metal used to make it is aluminum, copper or an alloy of these, and it can have external cooling fins (6). Each housing also contains a plate (8,9) of a heavy metal, preferably lead, to act as a gamma radiation screen and situated close to the container wall.

IPC 1-7

G21F 5/008; **G21F 3/00**

IPC 8 full level

G21F 3/00 (2006.01); **G21F 5/00** (2006.01); **G21F 5/002** (2006.01); **G21F 5/005** (2006.01); **G21F 5/008** (2006.01); **G21F 9/36** (2006.01)

CPC (source: EP US)

G21F 3/00 (2013.01 - EP US); **G21F 5/008** (2013.01 - EP US)

Cited by

FR3143175A1; EP1355320A4; EP1367602A1; EP1418594A1; EP3982375A1; FR3114907A1; WO2024121500A1; US11715576B2

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