

Title (en)

Spline arrangement for externally cooling containers for radioactive material

Title (de)

Rillenanordnung zur Aussenkühlung von Behältern für radioaktive Stoffe

Title (fr)

Dispositif à cannelures pour le refroidissement extérieur de conteneurs pour matières radioactives

Publication

EP 0843318 A1 19980520 (FR)

Application

EP 97420215 A 19971118

Priority

FR 9614487 A 19961119

Abstract (en)

The container consists of a thick inner wall (3), e.g. of steel, a hydrogenated resin neutron shielding layer, and an outer wall (5) with grooves (7) to enhance air cooling. The grooves are separated by relief portions (6), are 1-30 mm wide and 1-15 mm deep, and are spaced no more than 50 mm apart. The outer wall of the container can be of steel, cast iron, aluminium, copper or alloys of these, and grooves in its surface can lie perpendicular or parallel to its generating line, or they can run in one or more spiral lines. They can be made by moulding, extruding or machining.

Abstract (fr)

Conteneur pour le conditionnement de matières radioactives dont la paroi extérieure (5) est refroidie par l'air ambiant à l'aide d'un dispositif à cannelures (7) pratiquées dans ladite paroi extérieure (5). <IMAGE>

IPC 1-7

G21F 5/10

IPC 8 full level

G21F 5/10 (2006.01)

CPC (source: EP)

G21F 5/10 (2013.01)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 536 (P - 1449) 6 November 1992 (1992-11-06)

Cited by

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