

Title (en)
Device for the insulation of the bottom of a reservoir

Title (de)
Vorrichtung zur Isolation des Bodens eines Behälters

Title (fr)
Dispositif d'isolation de fond de réservoir

Publication
EP 1279884 A1 20030129 (FR)

Application
EP 02291884 A 20020725

Priority
FR 0110083 A 20010727

Abstract (en)
An insulator for applications such as the base of a cryogenic reservoir, consists of a padded assembly made up of at least one layer of felt (36) and a cryo-technical fabric (35) in a spherical dome shape, fixed to the base of the reservoir by a reinforcing system (37). An insulator for applications such as the base of a cryogenic reservoir, consists of a padded assembly made up of at least one layer of felt (36) and a cryo-technical fabric (35) in a spherical dome shape, fixed to the base of the reservoir by a reinforcing system (37). The fabric is in the form of a series of sectors joined by their radii to form a dome, and the layers of felt are joined to the dome by self-adhesive strips. The reinforcing system is made up of a series of flexible linear elements passed through loops on the fabric sectors and joined to a central element (43). The cryo-technical fabric has an M1 inflammability rating with a surface mass of under 250 g/sq m and a resistance to rupture with a traction of 77 K higher than 100 MPa in the weft direction.

Abstract (fr)
L'invention concerne un dispositif d'isolation de fond de réservoir comprenant un ensemble matelassé formé d'un tissu cryotechnique (35) et d'au moins une couche de feutre (36) de manière à former un matelas de gaz isolant à la surface dudit fond de réservoir, et une armature (37) de fixation dudit ensemble sur le fond du réservoir. <IMAGE>

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