

Title (en)
Insulation for a spherical tank

Title (de)
Wärmedämmung für einen Kugeltank

Title (fr)
Isolation pour un réservoir sphérique

Publication
EP 0857912 B1 20000209 (DE)

Application
EP 97118133 A 19971018

Priority
DE 19703591 A 19970131

Abstract (en)
[origin: EP0857912A1] This novel thermal insulation is for spherical tanks holding cryogenic fluids, i.e. liquified gases. Its insulating covering (13) comprises panels (14) fastened to the tank surface. Around the tank equator, there is an annular skirt (11), inside which mouldings (15) are fastened. The new feature is a gap (21) located between the insulating covering of the lower hemisphere and the mouldings. Radially, this gap climbs towards the exterior. Preferably, a seal (24) used in the construction comprises a cryogenic material, e.g. polyimide foam or mineral wool. Also used is an aluminium composite foil. The main insulation is a polystyrene.

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F17C 3/04

IPC 8 full level
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