

Title (en)

SEALED AND THERMALLY INSULATING VESSEL HAVING AN ANTI-CONVECTIVE FILLER PLATE

Title (de)

ABGEDICHTETES UND WÄRMEDÄMMENDES GEFÄSS MIT EINER ANTIKONVEKTIVEN FÜLLERPLATTE

Title (fr)

CUVE ÉTANCHE ET THERMIQUEMENT ISOLANTE COMPORTANT UNE PLAQUE DE REMPLISSAGE ANTI-CONVECTIVE

Publication

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Application

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Abstract (en)

[origin: WO2019043349A1] The invention relates to a sealed and thermally insulating tank for storing a fluid, wherein a tank wall comprises a secondary thermal insulation barrier (1), a secondary sealing membrane, a primary thermal insulation barrier (5) and a primary sealing membrane intended for being in contact with the cryogenic fluid contained in the tank, wherein the primary insulating elements comprise parallelepiped insulating panels (6) arranged so as to arrange interstices therebetween, the primary thermal insulation barrier (5) also comprising an anti-convective covering strip (34) made of a thin continuous material and arranged along an edge of a first parallelepiped insulating panel (6) so as to substantially seal the interstice between said first parallelepiped insulating panel and a second parallelepiped insulating panel, the anti-convective covering strip comprising a first edge portion attached to the inside face of the first parallelepiped insulating panel.

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