

Title (en)

TIGHT AND THERMALLY INSULATING VESSEL

Title (de)

DICHTER UND WÄRMEISOLIERENDER BEHÄLTER

Title (fr)

CUVE ÉTANCHE ET THERMIQUEMENT ISOLANTE

Publication

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Application

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Abstract (en)

[origin: WO2014170572A1] The invention relates to a tight and thermally insulating vessel built into a carrier structure for containing a fluid, wherein a vessel wall comprises, from the outside of the vessel towards the inside of the vessel: a carrier wall, a heat insulation barrier consisting of a plurality of adjacently arranged heat-insulating elements (30), and a sealing barrier, a heat-insulating element comprising: a heat insulator (21a, 21b), a plurality of carrier elements (33) crossing the heat insulator in a thickness direction perpendicular to the vessel wall and a cover panel (34) and a bottom panel (31), and an anti-buckling plate (40) parallel to the cover panel (34) and the bottom panel, crossed by the plurality of carrier elements (33) in a plurality of openings of the anti-buckling plate. A tight and thermally insulated vessel can be used especially in a methane carrier.

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