

Title (en)
SELF-SUPPORTING BOX STRUCTURE FOR THE THERMAL INSULATION OF A FLUID STORAGE TANK

Title (de)
SELBSTTRAGENDE KASTENSTRUKTUR ZUR WÄRMEISOLIERUNG EINES FLÜSSIGKEITSTANKS

Title (fr)
CAISSE AUTOPORTEUSE POUR L'ISOLATION THERMIQUE D'UNE CUVE DE STOCKAGE D'UN FLUIDE

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Application
EP 14809468 A 20141106

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Abstract (en)
[origin: WO2015079135A1] The invention relates to a self-supporting insulating box structure (3, 7) intended for the thermal insulation of a fluid storage tank, comprising: - a bottom panel (10) and a top panel (11) which are spaced apart in a thickness direction of the box structure; - bearers (13) interposed between said bottom panel (10) and top panel (11) and each comprising a bottom foot (15), a top foot (16) and a pillar (14) and extending in the thickness direction of the box structure between the bottom foot (15) and the top foot (16); and - an insulating packing (17) arranged between the bearers (13); in which box structure the feet (15, 16) each comprise: - a load-spreading sole (17); and - anti-topple ribs (20) uniformly distributed at the periphery of the foot (15, 16) and arranged so as to absorb load applied to the bearer (13) transversely to the thickness direction of the box structure and transmitted to the load-spreading sole (17).

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Cited by
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