

Title (en)

Fluid-tight and heat-insulating tank integrated in a ship's hull structure.

Title (de)

Flüssigkeitsdichter und thermisch isolierender, in der tragenden Schiffsstruktur integrierter Tank.

Title (fr)

Cuve étanche et thermiquement isolante perfectionnée, intégrée à la structure porteuse d'un navire.

Publication

**EP 0543686 A1 19930526 (FR)**

Application

**EP 92402710 A 19921005**

Priority

FR 9114320 A 19911120

Abstract (en)

The invention relates to a fluid-tight and insulating tank integrated in the hull structure of a ship. This tank comprises two impermeability barriers alternating with two insulating barriers. The boxes 3 of the secondary insulating barrier are attached to the hull structure of the ship by tabs 5 fixed in line with thick internal partitions, said partitions supporting longitudinally the means of attaching the primary barrier. These fastening means are constituted by a sliding joint with a double fold arranged between two plates 21 of the primary insulating barrier, the plates 21 being held in position by angles welded on a welding support 18 which constitutes a part of the fastening means. <IMAGE>

Abstract (fr)

L'invention concerne une cuve étanche et isolante intégrée à la structure porteuse d'un navire. Cette cuve comporte deux barrières d'étanchéité alternées avec deux barrières isolantes. Les caissons 3 de la barrière isolante secondaire sont accrochés sur la structure porteuse du navire par des pattes 5 fixées au droit de cloisons internes épaisses, lesdites cloisons supportant longitudinalement les moyens d'accrochage de la barrière primaire. Ces moyens d'accrochage sont constitués d'un joint glissant à double repli disposé entre deux plaques 21 de la barrière isolante primaire, le maintien desdites plaques 21 étant effectué par des cornières soudées sur un support de soudure 18 qui constitue une partie des moyens d'accrochage. <IMAGE>

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IPC 8 full level

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Citation (search report)

- [AD] WO 8909909 A1 19891019 - GAZ TRANSPORT [FR]
- [A] FR 2413260 A1 19790727 - GAZ TRANSPORT [FR]
- [A] FR 2549575 A1 19850125 - GAZ TRANSPORT [FR]

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