

Title (en)

LIQUID TANK WITH A FLOATING ROOF, SUCH AS A STORAGE TANK USED IN THE ELECTRONUCLEAR FIELD

Publication

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Application

EP 85401822 A 19850919

Priority

FR 8414858 A 19840927

Abstract (en)

[origin: US4705185A] The invention relates to floating roof tanks for liquids, of the type comprising a cylindrical wall (2), a floating roof (3), and a flexible membrane (4) connecting the periphery of the floating roof to the wall. In accordance with the invention, means are provided for emptying the counter-pressure liquid which is located in the space (6) delimited by the membrane (4) and the wall (2) and which is open to the atmosphere. These emptying means are disposed near the top of the tank so that the membrane, under the effect of pressure exerted by the liquid contained in the tank, serves to expel the counter-pressure liquid when the roof is in abutment against a top stop. Such tanks are of particular use in the nuclear power industry for storing de-gased water to top up the primary circuit of a nuclear reactor.

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