

Title (en)

Sealing arrangement for the annular gap between a container wall and a floating roof of a liquid container

Title (de)

Dichtungsanordnung für den Ringspalt zwischen einer Behälterwand und einem Schwimmdach eines Flüssigkeitsbehälters

Title (fr)

Dispositif d'étanchéité pour l'interstice annulaire entre une paroi de récipient et un toit flottant d'un récipient de liquide

Publication

EP 0781715 B1 20010725 (DE)

Application

EP 96120290 A 19961218

Priority

DE 19548817 A 19951227

Abstract (en)

[origin: EP0781715A1] The circular tank (1) is fitted with a floating cover (5) which is spaced from the inside wall of the tank by a ring gap (23). This gap is bridged by a support structure (17) which holds curved plates (16) against the inner wall of the tank. The top of the ring gap is covered by a flexible cover (31). A flexible membrane (22) covers the inside of the curved plates. The cover rises and falls with changes in fluid level. The upper edge of the cover has an elastic seal (25). The bottom of the flexible membrane touches the fluid as do the curved plates and the support structure.

IPC 1-7

B65D 88/46

IPC 8 full level

B65D 88/46 (2006.01)

CPC (source: EP)

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Cited by

EP2966010A1; AU2001281376B2; EP1234784A1; DE10108320A1; CN115924330A; US7044322B2; US7748555B2; WO2004060775A1; WO0210038A3

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