

Title (en)

SEALING MEANS FOR THE ANNULAR SPACE BETWEEN A CONTAINER WALL AND THE FLOATING ROOF OF A LARGE STORAGE CONTAINER

Publication

EP 0080130 B1 19870422 (DE)

Application

EP 82110463 A 19821112

Priority

DE 3145753 A 19811119

Abstract (en)

[origin: EP0080130A1] 1. Device for sealing the annular gap (3, 3') between a vertical container wall (1, 1') and a floating cover (4, 4') of a large storage container, especially of a floating roof tank or of a fixed roof tank with internal floating cover, consisting of a plurality of narrow spring strips (6, 6'), fixed at uniform intervals adjacent to one another to the periphery of the floating cover (4, 4'), which are orientated with their free ends resiliently against the tank wall (1, 1'), bridge across the annular gap (3, 3') while bending elastically and press an elastic sealing profile (14, 14') fixed to their free ends onto the container wall along a circumferential line, the annular gap being closed by a sealing apron (9, 9'), extending around the entire annular gap between the sealing profile (14, 14') and the floating cover (4, 4'), characterized in that, a plurality of adjacent spring strips (6, 6') are connected at their free ends to a seating profile member (10, 10'), open towards the tank wall (1), to form each spring unit, that the sealing profile is formed of a plurality of soft foam elements (14, 14') bearing against one another, around which the sealing apron (9, 9') is wrapped against the tank wall, and that each soft foam element (14, 14') is pressed onto the tank wall by a plurality of seating profile members (10, 10') situated closely against one another.

IPC 1-7

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IPC 8 full level

B65D 88/46 (2006.01); **B65D 88/50** (2006.01)

CPC (source: EP)

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Cited by

AU577763B2; FR2776274A1; DE102004001206A1; DE102004001206A8; DE102004001206B4; DE19959359A1; CN115924330A; EP1106533A1; WO9008076A1; WO2024130838A1

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