

Title (en)

Flat bottom tanks system for the storage of combustible and/or environmental damaging liquids

Title (de)

Flachboden-Tankanlage für die Lagerung von brennbaren und/oder umweltschädigenden Flüssigkeiten

Title (fr)

Système de réservoirs à fond plat pour le stockage de liquides inflammables et/ou nuisibles à l'environnement

Publication

**EP 1728737 A1 20061206 (DE)**

Application

**EP 06450077 A 20060523**

Priority

AT 8762005 A 20050523

Abstract (en)

The tank for storing inflammable or hazardous liquids has a steel false bottom (6). A pressure compensating filling (3) is positioned between this and the base (1) of the tank which has an open-pore structure and is made from a mixture of rigid and flexible particles held together with patches of flexible glue (32), leaving gaps (31) between them. Cavities (7) for mounting sensors are left in the filling. The sensors are connected to an exterior analysis unit (9) and detect leaks. An independent claim is included for the filling.

IPC 8 full level

**B65D 90/50** (2006.01); **B65D 90/505** (2019.01)

CPC (source: EP US)

**B65D 90/505** (2013.01 - EP US)

Citation (applicant)

- DE 10014805 A1 20001005 - RUHR OEL GMBH [DE]
- EP 0566196 A1 19931020 - EASTMAN KODAK CO [US]

Citation (search report)

- [A] CH 561143 A5 19750430 - ZSCHOKKE WARTMANN AG
- [A] DE 10014805 A1 20001005 - RUHR OEL GMBH [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 008, no. 133 (P - 281) 20 June 1984 (1984-06-20)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1728737 A1 20061206**; AT 501866 A1 20061215; AT 501866 B1 20070715

DOCDB simple family (application)

**EP 06450077 A 20060523**; AT 8762005 A 20050523