

Title (en)

Internal protection system for tanks, particularly underground tanks for fuel and the like.

Title (de)

Inneres Schutzsystem für Behälter, insbesondere unterirdische Behälter für Brennstoff und dergleichen.

Title (fr)

Système de protection interne pour réservoirs, en particulier des réservoirs souterrains pour carburant ou similaire.

Publication

**EP 0269586 A2 19880601 (EN)**

Application

**EP 87830422 A 19871126**

Priority

IT 4869386 A 19861128

Abstract (en)

The invention provides for the use of a liner (6) of flexible, elastic plastics material unattackable by the liquid material to be contained in the tank (1). The plastics liner (6) is inserted into the tank through the manhole (5) or possibly through a connection if sufficiently large. The liner (6) adapts to the inner shape of the tank (1) by virtue of the flexibility and elasticity of the material of which is manufactured. The liner (6) is kept substantially adhering to the inner walls of the tank (1) by flexible hoop elements (7) which are applied to the interior of the liner (6) after it has been inserted into the tank (1), or by pressurisable tubes which are preformed in said liner (6) and are pressurised after the liner (6) has been inserted into the tank (1). In this latter case, a double wall liner can be provided, and the interspace pressurised to monitor any loss of seal. The tubes can also be filled with expanded synthetic material.

IPC 1-7

**B65D 90/04**; **B65D 90/50**

IPC 8 full level

**B65D 90/04** (2006.01)

CPC (source: EP)

**B65D 9/04** (2013.01); **B65D 90/047** (2013.01); **B65D 2590/046** (2013.01)

Cited by

FR2901259A1; ES2048643A1; US2011305409A1; US8899835B2; WO2010015099A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0269586 A2 19880601**; **EP 0269586 A3 19890125**; IT 1214750 B 19900118; IT 8648693 A0 19861128

DOCDB simple family (application)

**EP 87830422 A 19871126**; IT 4869386 A 19861128