

Title (en)  
FLAT-BOTTOMED TANK AND METHOD FOR FITTING IT WITH A LEAK-PROOF COATING

Title (de)  
FLACHBODENTANK UND VERFAHREN ZU DESSEN AUSRÜSTUNG MIT EINER LECKSCHUTZAUSKLEIDUNG

Title (fr)  
RESERVOIR A FOND PLAT ET SON PROCEDE D'EQUIPEMENT AVEC UN REVETEMENT ANTIFUITE

Publication  
**EP 1073597 A1 20010207 (DE)**

Application  
**EP 99920668 A 19990414**

Priority  
• DE 29807285 U 19980422  
• EP 9902517 W 19990414

Abstract (en)  
[origin: US2001025853A1] The invention relates to an above-ground storage tank with a leakage protection lining for storing media posing a hazard to water, and to a process for equipping and particularly refitting an existing above-ground storage tank with a lining protecting it against leakage. Based on the drawbacks of the known prior art, the problem of the invention is to provide an above-ground storage tank with a leakage protection lining that can be produced and installed in a simple way; which can be mounted permanently medium- and vacuum-tight on the walls of the tank; and which satisfies the requirements with respect to testing for leakage. Furthermore, the goal is to provide a suitable process particularly for refitting existing above-ground storage tanks with a leakage protection lining. It is proposed as a solution that the medium-resistant foil (4) made of plastic almost completely covers the tank bottom (1) or extends up into the lower zone of the inner side (2') of the tank wall (2), and that it is secured all around on the outer limitation of the tank bottom (1) or with a small spacing from the tank bottom (1) on the inner side (2') by means of a clamping device (5), and that the insert (3) covers the existing tank bottom (1) and extends maximally up to the clamping device (5).

IPC 1-7  
**B65D 90/50**

IPC 8 full level  
**B65D 8/06** (2006.01); **B65D 90/04** (2006.01); **B65D 90/24** (2006.01); **B65D 90/50** (2006.01)

CPC (source: EP US)  
**B65D 90/046** (2013.01 - EP US); **B65D 90/24** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE DE DK ES FI FR GB IE IT NL PT SE

DOCDB simple family (publication)  
**US 2001025853 A1 20011004; US 6431387 B2 20020813**; AT E219745 T1 20020715; AT E219746 T1 20020715; AU 3816499 A 19991108; CA 2328162 A1 19991028; CZ 20003893 A3 20011212; CZ 295544 B6 20050817; DE 29807285 U1 19980730; DE 59901857 D1 20020801; DE 59901870 D1 20020801; DK 1073597 T3 20021014; EP 1073597 A1 20010207; EP 1073597 B1 20020626; EP 1083133 A1 20010314; EP 1083133 B1 20020626; ES 2178435 T3 20021216; HU P0103865 A2 20020328; HU P0103865 A3 20020429; NO 20005064 D0 20001006; NO 20005064 L 20001221; NO 318336 B1 20050307; PL 343621 A1 20010827; WO 9954236 A1 19991028

DOCDB simple family (application)  
**US 29711999 A 19990602**; AT 00124274 T 19990414; AT 99920668 T 19990414; AU 3816499 A 19990414; CA 2328162 A 19990414; CZ 20003893 A 19990414; DE 29807285 U 19980422; DE 59901857 T 19990414; DE 59901870 T 19990414; DK 99920668 T 19990414; EP 00124274 A 19990414; EP 9902517 W 19990414; EP 99920668 A 19990414; ES 99920668 T 19990414; HU P0103865 A 19990414; NO 20005064 A 20001006; PL 34362199 A 19990414