Title (en)

SUBTERRANEAN TANK LEAK CONTAINMENT AND DETECTION SYSTEM

Publication

EP 0220730 B1 19920812 (EN)

Application

EP 86115040 A 19861029

Priority

US 79273785 A 19851029

Abstract (en)

[origin: EP0220730A2] An improved system for containment and detection of leakage of petroleum products from a subterranean storage tank (10) is disclosed wherein the tank is provided with leak sensing means (13, 14) positioned at one end of the tank and the tank (10), together with the leak sensor (13, 14), is enclosed in an impervious enclosure (11) which is sealed about the tank (10) to prevent actuation of the leak sensor (13, 14) except due to leakage from the tank. In one form the leak sensor may by housed in a perforated duct (34) which extends through and is sealed within the enclosure (32) permitting access to the leak sensor and the interior of the enclosure (32) in the event that a leak is detected. A preferred material for use in making the enclosure is welded linear high density polyethylene (HDPE). In a second preferred form, a drainage mesh (121) is positioned between the tank (30) and the enclosure (32) to ensure that any leakage from the tank drains to the leak sensor, and an absorbent strip (120) is positioned beneath the tank (30) and inside the enclosure (32) to conduct leakage to the sensor.

IPC 1-7

B65D 90/50; G01M 3/04

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP0545784A3; CN113775940A; US4800128A; WO8808822A1

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EP 0220730 A2 19870506; **EP 0220730 A3 19890405**; **EP 0220730 B1 19920812**; CA 1316579 C 19930420; DE 3686389 D1 19920917; DE 3686389 T2 19930114; JP S62182091 A 19870810; NO 172819 B 19930601; NO 172819 C 19930908; NO 864327 D0 19861029; NO 864327 L 19870430; PL 161650 B1 19930730; PL 262106 A1 19870824

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