

Title (en)
VOLUMETRIC LEAK DETECTION SYSTEM FOR UNDERGROUND STORAGE TANKS AND THE LIKE

Publication
EP 0334876 A4 19920108 (EN)

Application
EP 87908067 A 19871118

Priority
US 93347286 A 19861120

Abstract (en)
[origin: WO8804031A1] Method and apparatus for detecting leaks in underground tanks (30) containing a liquid (31). The pressure and temperature of the liquid are measured over a predetermined time interval, while simultaneously measuring the liquid level in the tank and the temperature of the liquid (31) therein. From each measuring step the leak rate of the liquid (31) from the tank (30) is calculated and the two calculated leak rates are compared with each other. The temperature at a series of different depths in the tank is measured. Other measurements are made and fed to a suitable computer (27) which computes the leakage rate.

IPC 1-7
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IPC 8 full level
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G01F 23/18 (2013.01); **G01F 23/60** (2013.01); **G01F 23/804** (2022.01); **G01M 3/3245** (2013.01)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN, vol. 8, no. 45 (P-257)[1482], 28th February 1984; & JP-A-58 196 423 (TAIYOU SANZO K.K.) 15-11-1983
- See references of WO 8804031A1

Designated contracting state (EPC)
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