

Double Piping Structure equipped with a Leak Detection Device

Abstract

A duplex piping structure with a leak detection device for automatically detecting leakage of fluid from a buried tank or piping, wherein the portion of the oil injection pipe 11 to be buried underground is a duplex piping 30 including a first pipe 31 used as the oil injection pipe, and a second pipe 32 covering the first pipe 31. Between the first pipe 31 and the second pipe 32, a detection sensor 15 is placed to detect leakage of organic solvent. The detection sensor 15 is to be connected to the leak detection device 21 of the leak detector panel 20 via a lead wire 25. Thereby, when an organic solvent leaks from the first pipe 31, the leak detection device 21 detects the leak by the detection sensor 15 and emits a buzzer 22 to notify the person in charge of the leak of the organic solvent.

[Fig. 1]