

Title (en)

APPARATUS TO RETAIN LIQUID IN A SUBSTANTIALLY HORIZONTAL CONDUIT, OPEN AT ONE END, WHEN THE LIQUID FLOW RATE DROPS BELOW A GIVEN LEVEL

Publication

**EP 0216667 B1 19890222 (FR)**

Application

**EP 86401838 A 19860819**

Priority

FR 8512667 A 19850823

Abstract (en)

[origin: US4773449A] A device is placed in a horizontal duct, whose outlet issues into a gaseous medium, in order to retain liquid normally circulating in said duct when the flow drops below a given threshold. This device has tubes having at least one low point and at least one high point located downstream of the low point. Therefore the tubes can be helically wound around a core. At their upstream end, the tubes are fixed to a tight plate. Holes made in the tubes at the location of the high points prevent any siphon effect. Thus, liquid plugs form in the tubes when the flow is low or zero.

IPC 1-7

**F22B 1/02**; **F22B 37/18**; **F22B 37/22**

IPC 8 full level

**F22B 1/16** (2006.01); **F22B 37/22** (2006.01)

CPC (source: EP US)

**F22B 37/228** (2013.01 - EP US)

Cited by

EP0297968A1; FR2617570A1; US4870927A

Designated contracting state (EPC)

BE CH DE GB IT LI SE

DOCDB simple family (publication)

**EP 0216667 A1 19870401**; **EP 0216667 B1 19890222**; DE 3662162 D1 19890330; FR 2586465 A1 19870227; FR 2586465 B1 19880513; JP S6249101 A 19870303; US 4773449 A 19880927

DOCDB simple family (application)

**EP 86401838 A 19860819**; DE 3662162 T 19860819; FR 8512667 A 19850823; JP 19700986 A 19860822; US 89954686 A 19860822