

Title (en)

Pressure-pulse valve to prevent overfilling.

Title (de)

Stoßwellenklappe, um Überfüllung zu vermeiden.

Title (fr)

Vanne à onde de choc pour empêcher le débordement.

Publication

EP 0382949 A1 19900822 (EN)

Application

EP 89200354 A 19890215

Priority

EP 89200354 A 19890215

Abstract (en)

A flap type valve (3) forms part of and is located at the end of the filling pipe (1) of a liquid storage tank (2) and which is instantly turned over from rest position by the avalanche effect of the fast flowing liquid, once being pushed by the floater arm (6) into the liquid stream, when the nominal filling level in the tank has been reached, which causes a pressure pulse in the filling hose, initiating the subsequent closure of an automatic, hydraulically operating supply valve, located upstream of the supply hose. Liquid storage tanks, not designed to withstand overpressure can be filled at a high speed from a pressure filling system without danger to be overfilled and blown up and without polluting the environment.

IPC 1-7

B67D 5/34

IPC 8 full level

B67D 7/36 (2010.01)

CPC (source: EP)

B67D 7/365 (2013.01)

Citation (search report)

- FR 2136193 A5 19721222 - LAFON GEORGES
- FR 2300951 A1 19760910 - LAFON GEORGES [FR]
- DE 697551 C 19401023 - MUELLER & CO SCHWELMER EISEN

Cited by

AT402976B; JP2017013582A; GB2320018A; FR2756519A1; US5950692A; GB2320018B; IT202100014072A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0382949 A1 19900822

DOCDB simple family (application)

EP 89200354 A 19890215