

Title (en)

LIMIT CONTROL DEVICE FOR FILLING A LIQUID STORAGE TANK

Title (de)

FÜLLUNGSBEGRENZER FÜR FLÜSSIGKEITSLAGERBEHÄLTER

Title (fr)

LIMITEUR DE REMPLISSAGE POUR CUVE DE STOCKAGE D'UN LIQUIDE

Publication

EP 1045814 B1 20011024 (FR)

Application

EP 98955722 A 19981123

Priority

- FR 9802500 W 19981123
- FR 9715955 A 19971216

Abstract (en)

[origin: FR2772354A1] The invention concerns a limit control device for filling a liquid storage tank comprising a hollow upper body (1), a plunger tube (2) integral with said upper body (1), a valve (16) mounted in said hollow upper body (1) and capable of moving between an opening position and a closing position, a valve seat (17) arranged in said hollow upper body (1) and whereon said valve (16) is urged to rest in closing position, a floater (26) vertically mobile in a chamber (35) arranged at least partially inside the plunger tube (2). The invention is characterised in that said floater (26) is integral with a moving element (24) forming a piston, said moving element being displaced by thrust of the liquid acting on one of its ends.

IPC 1-7

B67D 5/34

IPC 8 full level

B67D 7/36 (2010.01)

CPC (source: EP US)

B67D 7/367 (2013.01 - EP US); **Y10T 137/7426** (2015.04 - EP US)

Designated contracting state (EPC)

ES FR GB IT NL

DOCDB simple family (publication)

FR 2772354 A1 19990618; FR 2772354 B1 20000204; EP 1045814 A1 20001025; EP 1045814 B1 20011024; ES 2165707 T3 20020316; JP 2002508289 A 20020319; US 6318421 B1 20011120; WO 9931011 A1 19990624

DOCDB simple family (application)

FR 9715955 A 19971216; EP 98955722 A 19981123; ES 98955722 T 19981123; FR 9802500 W 19981123; JP 2000538946 A 19981123; US 58159100 A 20000614