

Title (en)

DISCHARGE DEVICE FOR CISTERNS OR TANKS EQUIPPED WITH A DISCHARGE VALVE

Title (de)

AUSTRAGSVORRICHTUNG FÜR MIT EINEM AUSLASSVENTIL VERSEHENE ZISTERNEN ODER TANKS

Title (fr)

DISPOSITIF D'EVACUATION POUR CITERNES OU RESERVOIRS EQUIPE D'UNE VALVE DE DECHARGE

Publication

EP 1854925 A2 20071114 (EN)

Application

EP 05826699 A 20051216

Priority

- ES 2005000688 W 20051216
- ES 200500234 A 20041217

Abstract (en)

The invention relates to a discharge device for cisterns or tanks equipped with a discharge valve. The purpose of the invention is provide optimal discharge of water through the overflow pipe in the event of overflows caused by a malfunction in the operation of the cock used to fill the cistern tank. The invention is characterised in that the upper opening (3) in the overflow pipe (2) opens into a chamber (4) that is defined by a bell (5), the side wall of which is disposed outside the overflow element (2), such as to form a narrow annular space (6) through which the water passes from the cistern to the interior of the overflow, thereby producing the hydraulic closure of said annular space (6). In this way, a higher degree of suction is obtained in order to increase the discharge of water through the overflow (2).

IPC 8 full level

E03D 1/00 (2006.01)

CPC (source: EP ES)

E03D 1/00 (2013.01 - EP ES)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

YU

DOCDB simple family (publication)

EP 1854925 A2 20071114; EP 1854925 A4 20130306; EP 1854925 B1 20131211; CN 101287880 A 20081015; ES 2257969 A1 20060801; ES 2257969 B1 20070816; ES 2440476 T3 20140129; IL 183955 A0 20071031; MA 29155 B1 20080102; PL 1854925 T3 20140331; PT 1854925 E 20140115; RU 2007127216 A 20090127; RU 2398938 C2 20100910; WO 2006064071 A2 20060622; WO 2006064071 A3 20080619

DOCDB simple family (application)

EP 05826699 A 20051216; CN 200580048057 A 20051216; ES 05826699 T 20051216; ES 2005000688 W 20051216; ES 200500234 A 20041217; IL 18395507 A 20070614; MA 30080 A 20070717; PL 05826699 T 20051216; PT 05826699 T 20051216; RU 2007127216 A 20051216