

Title (en)

DEVICE FOR PREVENTING THE FLOATING OF TANKS IN PROTECTIVE CONSTRUCTIONS IN THE EVENT OF FLOODING

Title (de)

VORRICHTUNG ZUR VERHINDERUNG DES AUFSCHWIMMENS VON TANKS IN SCHUTZBAUWERKEN IM HOCHWASSERFALL

Title (fr)

DISPOSITIF POUR EMPÊCHER DES RÉSERVOIRS DE FLOTTER DANS DES OUVRAGES DE PROTECTION EN CAS DE CRUES

Publication

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Application

**EP 17722696 A 20170420**

Priority

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Abstract (en)

[origin: WO2017186568A1] The invention relates to a protective device, which is used to prevent the floating of a tank in the protective construction (8) of said tank. Said protective device consists of a supply pipe (20) into the lowest region of the tank (1), having a controllable shut-off valve (24). The tank (1) is supported on all walls of the tank space by means of braces (3, 4) having end rollers. When the tank floats slightly, a longitudinally movable tank support (11) on the tank (1) acts on a stop that is stationary with respect to the tank space. A transfer device (10) consists of a balance beam (16), the one end of which rests on a support (14) on the top side of the tank and the center (30) of which is supported in an articulated manner on a stationary profiled element (17). The other end of the balance beam is connected to a push rod (18) in an articulated manner, which push rod is articulated to a crank (19) at the other end of the push rod in order to open and close the shut-off valve (24). When opened, the hydrostatic pressure inside and outside of the tank (1) is equalized. The tank (1) can no longer float.

IPC 8 full level

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