Title (en)

SELF-ACTING DRAINAGE DEVICE FOR FREIGHT CONTAINERS

Publication

EP 0503544 A3 19930310 (DE)

Application

EP 92104023 A 19920309

Priority

DE 9102782 U 19910308

Abstract (en)

[origin: EP0503544A2] The subject of the innovation is a device by means of which containers in which water accumulates in an undesirable manner are automatically drained. An outer housing (2, 3) which can be inserted into the container bottom is subdivided by a web (8a) into two chambers, of which one is connected to the interior of the container and the other to the environment of the container. The web encloses an aperture (20) which connects the two chambers to each other when a valve member (14) has moved away from a seat (8b) surrounding the aperture. When the valve member rests on the seat, the chambers are separated from each other and the interior space of the container is not connected to the environment of the container. The movement of the valve member is controlled by the water level in the chamber which is connected to the interior space of the container.

IPC 1-7

B65D 90/00

IPC 8 full level

B65D 90/00 (2006.01); **B65D 88/74** (2006.01); **F16T 1/00** (2006.01); **F16T 1/22** (2006.01)

CPC (source: EP KR US)

B61D 5/08 (2013.01 - KR); **B65D 88/747** (2013.01 - EP US); Y10T 137/598 (2015.04 - EP US); Y10T 137/6035 (2015.04 - EP US); Y10T 137/7319 (2015.04 - EP US); Y10T 137/7436 (2015.04 - EP US)

Citation (search report)

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- [A] US 3921663 A 19751125 - BERANEK JAROSLAV, et al
- [A] US 3903918 A 19750909 - CARNARIUS CLARENCE L

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DE102014220811A1; RU2683364C2; RU2764087C2; US11691900B2; DE102014220811B4

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

DE 9102782 U1 19910627; DE 59207565 D1 19970109; EP 0503544 A2 19920916; EP 0503544 A3 19930310; EP 0503544 B1 19961127; ES 2095342 T3 19970216; JP 3353908 B2 20021209; JP H0680192 A 19940322; KR 920018092 U 19921017; KR 960003298 Y1 19960419; US 5201340 A 19930413

DOCDB simple family (application)

DE 9102782 U 19910308; DE 59207565 T 19920309; EP 92104023 A 19920309; ES 92104023 T 19920309; JP 4835392 A 19920305; KR 920003646 U 19920307; US 84484192 A 19920303