

Title (en)

Drain cock with built-in pressure regulator, particularly for wall-mounted boilers and the like

Title (de)

Ablasshahn mit eingebautem Druckregulator, insbesondere für wandmontierte Boiler und Ähnliches

Title (fr)

Robinet de drainage avec régulateur de pression intégré, particulièrement pour des chaudières à montage mural et similaires

Publication

EP 2048438 A3 20131113 (EN)

Application

EP 08160018 A 20080709

Priority

IT TO20070513 A 20070712

Abstract (en)

[origin: EP2048438A2] The drain cock (1) comprises a body (2) with a pipe (3) that leads to a valve seat (4), a hand-actuated opening and closing member (6) screwed onto a formation (5b) on the body (2), barrier members (15, 16, 19; 15, 16, 27; 19) connected to the opening and closing member (6) and able to act on the valve seat (4), in such a way that when said member (6) is, relative to the body (2), in a closed position and in an open position, respectively, these barrier members shut off and disengage from, respectively, the seat (4), preventing and permitting, respectively, communication between an upstream portion of the installation and a region downstream of the valve seat (4). The drain cock (1) also comprises a moveable barrier (19; 16; 31) separated from the opening and closing member (6) and stressed by a spring (12) towards a shutoff position in which it is able, when this member (6) is in the closed position, to prevent the passage of liquid between the pipe (3) of the body (2) and a discharge passage (8b; 32). The arrangement is such that said barrier (19; 16; 31) is able to move from the shutoff position, against the action of the spring (12), when the pressure of the fluid upstream of the seat (4) exceeds a predetermined value, to a position in which it allows fluid to be discharged from the portion of the installation upstream of the seat (4) to the discharge passage (8b; 32).

IPC 8 full level

F22B 37/44 (2006.01); **F22B 37/50** (2006.01)

CPC (source: EP)

F22B 37/446 (2013.01); **F22B 37/50** (2013.01)

Citation (search report)

- [X] BE 556415 A
- [X] US 2005072156 A1 20050407 - TSUTSUI TOSHIHIRO [JP], et al
- [X] US 2906289 A 19590929 - FOX LOUIS A
- [X] US 1429296 A 19220919 - OBERT CASIN W
- [A] PERKO H-D ET AL: "SICHERHEITSEINRICHTUNGE FUER VERSCHIEDENE AUFGABEN IN KRAFTWERKEN", VGB KRAFTWERKSTECHNIK, VGB KRAFTWERKSTECHNIK GMBH. ESSEN, DE, vol. 75, no. 7, 1 July 1995 (1995-07-01), pages 597 - 602, XP000516390, ISSN: 0372-5715

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Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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