

Title (en)
Temperature controlled security drain valve

Title (de)
Temperaturgesteuertes Sicherheitsablassventil

Title (fr)
Purgeur de sécurité à commande thermique

Publication
EP 1693623 A1 20060823 (DE)

Application
EP 05003686 A 20050221

Priority
EP 05003686 A 20050221

Abstract (en)
Temperature-controlled safety drain valve has fluid conduit (36) with discharge opening (37) which has sealing seat which works together with sealing element (41) for its fluid-tight closing and/or opening. Shifting element is fixed on housing (33) of safety drain valve. A plunger (59), which acts up on movable shifting element, is pre-stressed using elastic spring element (69). A plunger (59), which acts up on movable shifting element, is pre-stressed between the shifting elements using elastic spring element (69) against the magnetic attractive force. A lever arrangement (51,52,47) transfers a movement of the plunger on the sealing element for the fluid-tight closing and/or opening of the discharge opening. An independent claim is also included for the fluid distribution system.

IPC 8 full level
F24D 19/00 (2006.01); **E03B 7/10** (2006.01); **F16K 31/00** (2006.01); **F16K 31/08** (2006.01)

CPC (source: EP)
F24D 19/0095 (2013.01)

Citation (search report)
• [A] US 4407448 A 19831004 - YAMANAKA MINORU [JP], et al
• [A] DE 19529463 A1 19960919 - SBS SONDERMASCHINEN GMBH [DE]

Cited by
USD905217S; USD907183S; USD944374S; US11772452B2

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 MC NL PL PT RO SE SI SK TR

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EP 1693623 A1 20060823; DE 202005021193 U1 20070726

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