Title (en)

Tilt valve for dispensing foam and other media

Title (de)

Kippventil zum Austragen von Schaum und anderen Medien

Title (fr)

Valve basculante pour distribuer des produits moussants et autres

Publication

EP 1524206 A3 20070321 (DE)

Application

EP 04022581 A 20040922

Priority

DE 20315714 U 20031013

Abstract (en)

[origin: US2005077494A1] A tiltable valve for discharging foam and other media from a pressurized vessel includes a valve disk for connection to the vessel, and a valve body having a holder opening that is placed in an opening in the valve disk and a sealing surface at a side facing away from the valve disk. The tiltable valve further includes a valve element disposed in the holder opening which has a tubular portion with a sealing flange at one end and at least one inlet opening in the wall, such that in a closed position of the valve, the sealing flange bears on the sealing surface and blocks an entry of the medium requiring discharge in the inlet opening and, in a tilted position of the valve element, the sealing flange and the sealing surface are spaced from each other while forming a gap and the medium requiring discharge is allowed to exit through the gap and the inlet opening. A blocking body is disposed in the tubular portion of the valve element and unblocks, or at least partially closes, the inlet opening in response to the pressure in the vessel, the inlet opening being increasingly unblocked when the pressure drops.

IPC 8 full level

B65D 83/14 (2006.01); **B65D 83/16** (2006.01)

CPC (source: EP US)

B65D 83/38 (2013.01 - EP US); **B65D 83/46** (2013.01 - EP US)

Citation (search report)

- [A] DE 4130728 A1 19930318 - PRAEZISIONS VENTIL GMBH [DE]
- [A] EP 0931734 A1 19990728 - OREAL [FR]

Cited by

US9446894B2

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

US 2005077494 A1 20050414; **US 7168684 B2 20070130**; AT E425106 T1 20090315; CA 2484663 A1 20050413; CA 2484663 C 20090414; DE 20315714 U1 20031218; DE 502004009119 D1 20090423; EP 1524206 A2 20050420; EP 1524206 A3 20070321; EP 1524206 B1 20090311; ES 2324663 T3 20090812

DOCDB simple family (application)

US 96125504 A 20041008; AT 04022581 T 20040922; CA 2484663 A 20041013; DE 20315714 U 20031013; DE 502004009119 T 20040922; EP 04022581 A 20040922; ES 04022581 T 20040922