

Title (en)

LIQUID HANDLING DEVICE TO BE ATTACHED TO A BOTTLE

Title (de)

FLASCHENAUFSATZGERÄT ZUR HANDHABUNG VON FLÜSSIGKEITEN

Title (fr)

DISPOSITIF POUR LA MANIPULATION DE LIQUIDES À ATTACHÉ À UNE BOUTEILLE

Publication

EP 2799141 B1 20190501 (DE)

Application

EP 14002517 A 20071206

Priority

- DE 202006018526 U 20061207
- DE 202006018527 U 20061207
- EP 07856393 A 20071206
- EP 2007010580 W 20071206

Abstract (en)

[origin: WO2008068013A2] The invention relates to a bottle attachment for handling liquids. Such a bottle attachment is generally a burette or a dispenser. Said bottle attachment regularly comprises a cylinder piston arrangement in an outside housing. The invention is characterised in that at least one actuating button (49) that can be pressed downwards for actuation is arranged on the upper side of the outside housing. The outside housing (2) can be provided with ventilation openings (48) that can be hidden beneath the actuating button (49). The bottle arrangement is also characterised by a specific arrangement of a sensor system (65) in relation to a measuring strip (64) on a piston rod (28). The path measuring signal can be evaluated by means of a magnetoresistive sensor system, especially such a system based on the AMR effect. The arrangement of the measuring strip (64) in relation to the longitudinal central axis of the piston rod (28) is of considerable importance.

IPC 8 full level

B01L 3/02 (2006.01)

CPC (source: EP US)

B01L 3/0206 (2013.01 - EP US); **B01L 2200/087** (2013.01 - EP US); **B01L 2200/141** (2013.01 - EP US); **B01L 2200/146** (2013.01 - EP US); **B01L 2300/024** (2013.01 - EP US); **B01L 2300/027** (2013.01 - EP US); **B01L 2300/048** (2013.01 - EP US); **B01L 2300/0627** (2013.01 - EP US)

Cited by

DE202015000521U1; EP3048081A1; CN105819088A; CN105819087A; DE102015000906A1; DE202015000519U1; DE202015000523U1; DE102015000904A1; DE102015000905A1; DE102015017471B3; DE202015000522U1; DE202015000520U1; DE102015000902A1; DE102015000903A1; DE102015000903B4; DE102015000902B4

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 LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008068013 A2 20080612; WO 2008068013 A3 20080918; CN 103285951 A 20130911; CN 103285951 B 20150114; EP 2125223 A2 20091202; EP 2125223 B1 20151202; EP 2799141 A2 20141105; EP 2799141 A3 20150121; EP 2799141 B1 20190501; EP 3508274 A1 20190710; EP 3508274 B1 20240228; US 2010021349 A1 20100128; US 8142738 B2 20120327

DOCDB simple family (application)

EP 2007010580 W 20071206; CN 201310045530 A 20071206; EP 07856393 A 20071206; EP 14002517 A 20071206; EP 19158248 A 20071206; US 51819907 A 20071206