

Title (en)

Foam soap dispenser capable of adjusting the amount of air

Title (de)

Seifenschaumspender mit einstellbarer Luftmenge

Title (fr)

Distributeur de savon mousseux capable d'ajuster la quantité d'air

Publication

EP 2823741 A3 20150325 (EN)

Application

EP 14173560 A 20140623

Priority

CN 201320403902 U 20130709

Abstract (en)

[origin: EP2823741A2] A foam soap dispenser capable of adjusting the amount of air includes a pump, a piston rod, a valve seat sheathed on the piston rod, a feed pipe coupled to the pump, a feed check valve for feeding a foam soap and a discharge check valve installed in the pump, an air-liquid mixing chamber formed between the feed check valve and the discharge check valve, an air-intake pipe communicated with an air-liquid mixing chamber, and an air-intake hole formed on the air-intake pipe that connects the air-liquid mixing chamber. The air-intake pipe includes an air-intake check valve, a screw sleeve and an air adjusting screw rod. The screw sleeve is fixed to the air-intake pipe, and the air adjusting screw rod is fixed into the screw sleeve and passed through a through hole of the screw rod of the check valve to insert the screw rod into the air-intake hole.

IPC 8 full level

A47K 5/12 (2006.01); **B05B 7/00** (2006.01); **B05B 7/04** (2006.01); **B05B 7/12** (2006.01)

CPC (source: EP US)

A47K 5/14 (2013.01 - EP US); **B05B 7/005** (2013.01 - EP US); **B05B 7/0425** (2013.01 - EP US); **B05B 11/1098** (2023.01 - EP US); **B05B 11/1026** (2023.01 - EP US)

Citation (search report)

- [A] WO 2011157975 A1 20111222 - BRIGHT INNOVATIONS LTD [GB], et al
- [A] GB 1390138 A 19750409 - APPLIED CHEM PTY LTD
- [A] JP H09173922 A 19970708 - YOSHINO KOGYOSHO CO LTD

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2823741 A2 20150114; EP 2823741 A3 20150325; CN 203379051 U 20140108; US 2015014360 A1 20150115

DOCDB simple family (application)

EP 14173560 A 20140623; CN 201320403902 U 20130709; US 201414262705 A 20140426