

Title (en)

FOAMING AND FOAM DISPENSING DEVICE AND DISPENSER APPARATUS

Title (de)

AUFSCHÄUM- UND SCHAUMSPENDERVORRICHTUNG UND SPENDERVORRICHTUNG

Title (fr)

DISPOSITIF DE MOUSSAGE ET DE DISTRIBUTION DE MOUSSE ET APPAREIL DISTRIBUTEUR

Publication

EP 3159062 A1 20170426 (EN)

Application

EP 15003013 A 20151021

Priority

EP 15003013 A 20151021

Abstract (en)

The present invention concerns a foaming and foam dispensing device (10) for a liquid dispenser apparatus (40), designed to pump and foam a pourable liquid from a container (50), comprising a housing plate (20) having at least one positioning element (21, 22), adapted to cooperate with at least one guiding element (41, 42) of the dispenser apparatus (40), wherein the housing plate (20) defines a plane P. The foaming and foam dispensing device (10) further comprises a first pumping arrangement (11) for pumping the pourable liquid, and a second pumping arrangement (12) for pumping a foaming media, wherein the second pumping arrangement (12) features a cylindrical media chamber (14), in which a displacement member (15) is displaceably guided along a central axis (C), and an actuation element (16) for actuating the first and the second pumping arrangement (11, 12), that has an actuation area (17) for cooperating with an operating element (43) of the dispenser apparatus (40), wherein one side of the plane P faces the actuation area (17), wherein the media chamber (14) of the second pumping arrangement (12) is located on the side of the plane P that faces the actuation area (17) of the actuation element (16).

IPC 8 full level

B05B 5/04 (2006.01); **A47K 5/14** (2006.01); **B05B 7/00** (2006.01)

CPC (source: EP)

A47K 5/1205 (2013.01); **A47K 5/14** (2013.01); **B05B 7/0037** (2013.01); **B05B 11/0089** (2013.01); **B05B 11/1015** (2023.01); **B05B 11/1057** (2023.01); **B05B 11/1087** (2023.01)

Citation (applicant)

US 2001004276 A1 20010621 - URABE TETSUO [JP], et al

Citation (search report)

- [X] WO 2014036067 A1 20140306 - GOJO IND INC [US]
- [I] EP 1818109 A1 20070815 - TECHNICAL CONCEPTS BENTFIELD B [NL]
- [X] GB 406388 A 19340301 - GEORGE FARGHER HIGHT, et al

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 3159062 A1 20170426; EP 3159062 B1 20191218

DOCDB simple family (application)

EP 15003013 A 20151021