

Title (en)  
LIQUID DISPENSER WITH AN APPLICATOR HEAD

Title (de)  
FLÜSSIGKEITSSPENDER MIT EINEM AUSTRAGKOPF

Title (fr)  
DISTRIBUTEUR DE LIQUIDE COMPRENANT UNE TETE DISTRIBUTRICE

Publication  
**EP 3275552 B1 20191016 (DE)**

Application  
**EP 16182017 A 20160729**

Priority  
EP 16182017 A 20160729

Abstract (en)  
[origin: WO2018019556A1] A fluid dispenser (10) is known comprising a pump accumulator or a pressure accumulator as well as a discharge head (50), with the following features: the discharge head (50) is provided for securing to a base unit (40) of the fluid dispenser (10), which comprises a fluid accumulator (20). The discharge head (50) has a housing (52) which can be moved relative to the base unit (40) preferably for the purpose of actuating the fluid dispenser (10). The discharge head (50) has a fluid inlet (62) via which fluid to be discharged through same can be brought from the fluid accumulator (20) into the discharge head (50), and a discharge opening (56) via which the fluid can be released into surrounding atmosphere. A turbulence chamber (58) having at least one eccentrically entering inlet channel (60) is provided between the fluid inlet (62) and the discharge opening (56), such that in-flowing fluid is provided with a swirl which brings about the formation of a spray jet during discharge from the discharge opening (56). According to the invention, the turbulence chamber (58) can be shifted between at least one first and one second configuration by changing the geometry of the walls of the turbulence chamber (58) and/or the at least one inlet channel (60). The discharge head has a handle (52, 84, 86) for manually shifting between the configurations.

IPC 8 full level  
**B05B 1/30** (2006.01); **B05B 1/34** (2006.01); **B05B 11/00** (2006.01)

CPC (source: EP KR US)  
**B05B 1/12** (2013.01 - EP); **B05B 1/304** (2013.01 - KR US); **B05B 1/3452** (2013.01 - EP KR US); **B05B 1/3468** (2013.01 - KR US); **B05B 11/1001** (2023.01 - KR US); **B05B 11/104** (2023.01 - KR US); **B05B 1/3436** (2013.01 - EP)

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

DOCDB simple family (publication)  
**EP 3275552 A1 20180131**; **EP 3275552 B1 20191016**; CN 109475891 A 20190315; CN 109475891 B 20220408; ES 2764084 T3 20200602; KR 20190025705 A 20190311; US 11311895 B2 20220426; US 2019314832 A1 20191017; WO 2018019556 A1 20180201

DOCDB simple family (application)  
**EP 16182017 A 20160729**; CN 201780047229 A 20170710; EP 2017067299 W 20170710; ES 16182017 T 20160729; KR 20197003343 A 20170710; US 201716314704 A 20170710