

Title (en)  
DISCHARGE HEAD AND LIQUID DISPENSER WITH A DISCHARGE HEAD

Title (de)  
AUSTRAGKOPF UND FLÜSSIGKEITSSPENDER MIT EINEM AUSTRAGKOPF

Title (fr)  
TÊTE DISTRIBUTRICE ET DISTRIBUTEUR DE LIQUIDE COMPRENANT UNE TÊTE DISTRIBUTRICE

Publication  
**EP 3736049 B1 20221109 (DE)**

Application  
**EP 19172799 A 20190506**

Priority  
EP 19172799 A 20190506

Abstract (en)  
[origin: WO2020225223A1] The prior art discloses a discharge head (10) for a liquid dispenser (100) having a base (20) and a push actuator (50), which can be pressed down relative to the base (20). Said discharge head (10) has a pump device (12), which comprises a malleable pump chamber component (80), which is open on both sides, is fastened to the base (20) and to the push actuator (50) and encloses a pump chamber (13) having variable volume, and which pump device has an inlet valve (14) and an outlet valve (16). The discharge head (10) has at least one ventilation opening (28) and a ventilation valve (18), wherein the ventilation valve (18) on the base (20) has a peripheral valve web (42), which is raised via a surrounding radially extended cover wall (24) of the base and the inside of which forms a peripheral valve surface. In order to ensure a reproducible behavior of the ventilation valve, according to the invention, a reinforcement structure (26) is provided on the surrounding cover wall (24) on the outside, on a top side of the cover wall (24), preferably in the form of a peripheral reinforcement web, and/or the peripheral valve web (42) is designed as a part of a sleeve-like structure, which forms the peripheral valve web (42) above the cover wall (24) and which continues under the cover surface in a peripheral wall portion (46) flush to the valve web (42).

IPC 8 full level  
**B05B 11/00** (2006.01)

CPC (source: CN EP KR US)  
**A45D 34/00** (2013.01 - CN); **B05B 11/0044** (2018.08 - CN); **B05B 11/00442** (2018.08 - EP KR US); **B05B 11/1033** (2023.01 - CN EP KR US); **B05B 11/1035** (2023.01 - CN EP KR US); **B05B 11/1046** (2023.01 - US); **B05B 11/1047** (2023.01 - KR); **B05B 11/1069** (2023.01 - CN); **B05B 11/1046** (2023.01 - EP)

Cited by  
IT202200015306A1; WO2024018293A1

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 3736049 A1 20201111**; **EP 3736049 B1 20221109**; CN 113747978 A 20211203; CN 113747978 B 20240227; EP 4151317 A1 20230322; KR 20220003103 A 20220107; US 11938495 B2 20240326; US 2022250105 A1 20220811; WO 2020225223 A1 20201112

DOCDB simple family (application)  
**EP 19172799 A 20190506**; CN 202080033938 A 20200504; EP 2020062342 W 20200504; EP 22205622 A 20190506; KR 20217039950 A 20200504; US 202017606259 A 20200504