

Title (en)

Piston of pump section of trigger-type liquid dispenser

Title (de)

Pumpenkolben vom Triggertyp-Flüssigkeitsspender

Title (fr)

Piston de pompe pour pulvérisateur de liquide à gachette

Publication

EP 0894539 A3 19990804 (EN)

Application

EP 98114798 A 19920903

Priority

- EP 98114798 A 19920903
- EP 92918710 A 19920903

Abstract (en)

[origin: EP0894539A2] A piston (101, 105) of a pump section (E) of a trigger-type liquid dispenser having integrally formed annular skirts (102, 104, 106, 108) extending respectively at an approach end and at a stroke end of the piston and held in close contact with an inner wall surface of a cylinder (H) of the pump section. Said annular skirt (106, 108) extending at the stroke end of the piston is provided with at least one notched section (109, 110) located at a position corresponding to said air intake port (23) provided on the peripheral wall of said cylinder. Thus, air is securely and surely introduced into the liquid container even if the trigger is moved repeatedly by only a short stroke in order to exhaust liquid at a reduced rate. <IMAGE>

IPC 1-7

B05B 11/00

IPC 8 full level

B05B 11/00 (2006.01)

CPC (source: EP)

B05B 11/0044 (2018.07); **B05B 11/1011** (2023.01); **B05B 11/0062** (2013.01)

Citation (search report)

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- [A] US 4646969 A 19870303 - SORM MILOSLAV [CS], et al
- [A] US 4365751 A 19821228 - SAITO TADAO, et al
- [A] EP 0274620 A2 19880720 - CORSETTE DOUGLAS FRANK

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CN100402158C; US7597218B2; WO2004071673A1

Designated contracting state (EPC)

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