

Title (en)
Free-form container with follow-up piston

Title (de)
Freiformbehälter mit Folgekolben

Title (fr)
Récipient en forme libre avec piston d'asservissement

Publication
EP 2111922 A1 20091028 (EN)

Application
EP 08154896 A 20080421

Priority
EP 08154896 A 20080421

Abstract (en)
A free-form container (30) with follow-up piston (33) includes a double-wall body defining an internal volume for containing a fluid, a top cover (40) connected to an open upper end of the double-wall body, a fluid dispenser head (50) mounted to and projected from the top cover (40), and a bottom cover (60) seal an open lower end of the double-wall body. The double-wall body includes a cylindrical inner wall (31) defining a fully round inner wall surface and a free-form outer wall (32) integrally formed at an outer side of the inner wall (31). A follow-up piston (33) is mounted in the cylindrical inner wall (31) to face toward the fluid dispenser head (50). A vent hole (61) is formed on the bottom cover (60) to communicate an inner space of the inner wall (31) with external air. The outer wall (32) may have differently designed appearances to attract more consumers without affecting the operation of the follow-up piston (33) in the cylindrical inner wall (31).

IPC 8 full level
B05B 11/00 (2006.01)

CPC (source: EP US)
B05B 11/0037 (2013.01 - EP US); **B05B 11/028** (2023.01 - EP); **B05B 11/10** (2023.01 - EP)

Citation (search report)
• [X] FR 2724125 A1 19960308 - OREAL [FR]
• [X] WO 2006111632 A1 20061026 - REXAM DISPENSING SYS [FR], et al

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DE102019105161A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

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