

Title (en)
Dispenser

Title (de)
Spender

Title (fr)
Distributeur

Publication
EP 1466671 B1 20100811 (DE)

Application
EP 04101439 A 20040407

Priority
• DE 10316792 A 20030411
• DE 10322354 A 20030517

Abstract (en)
[origin: DE10322354A1] The hand-held dispenser pump (1) has two pump chambers (17) side-by-side with flexible walls which allow reduction in volume. The pump chambers are connected to a mixing and dispensing nozzle (8) and a telescopic two-part housing (23) with a handgrip (13) at the end remote from the nozzle. The outer housing (21) contains a control knob (59).

IPC 8 full level
B05C 17/005 (2006.01); **B65D 81/32** (2006.01); **B05B 11/00** (2006.01); **B05B 11/06** (2006.01); **B05C 5/00** (2006.01); **B05C 7/02** (2006.01); **B65B 3/12** (2006.01); **B65D 83/00** (2006.01); **B65D 83/76** (2006.01); **B67D 1/10** (2006.01); **B67D 7/64** (2010.01); **B67D 7/70** (2010.01); **B67D 7/74** (2010.01); **F04B 9/14** (2006.01)

CPC (source: EP KR US)
B05B 11/0056 (2013.01 - EP US); **B05B 11/1008** (2023.01 - EP US); **B05B 11/1028** (2023.01 - EP US); **B05B 11/1056** (2023.01 - EP US); **B05B 11/1084** (2023.01 - EP US); **B05C 5/00** (2013.01 - KR); **B05C 7/02** (2013.01 - EP US); **B05C 17/00569** (2013.01 - EP US); **B05C 17/00583** (2013.01 - EP US)

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DOCDB simple family (publication)
EP 1466671 A2 20041013; **EP 1466671 A3 20071003**; **EP 1466671 B1 20100811**; AT E477060 T1 20100815; AU 2004201247 A1 20041028; CA 2462236 A1 20041011; DE 10322354 A1 20041028; DE 502004011498 D1 20100923; JP 2004314071 A 20041111; KR 20040089498 A 20041021; PL 367149 A1 20041018; US 2004200857 A1 20041014

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