

Title (en)

A force and suction pump actuator for spraying of a product from a container

Title (de)

Betätigungskopf einer Saug-Druck-Pumpe zum Ausspritzen eines Produkts aus einem Behältnis

Title (fr)

Poussoir d'une pompe aspirante et foulante pour la pulvérisation d'une produit contenu dans un récipient

Publication

EP 1327477 B1 20100526 (DE)

Application

EP 03000193 A 20030107

Priority

DE 10200595 A 20020110

Abstract (en)

[origin: EP1327477A1] The operating head (12) of a suck-and-press pump for spraying a product (38) held in a container (2) comprises a valve closure element (20) which has a least one radial groove (22) and a circumferential sealing lip (21), which serve to free a passage for the product into the outlet opening (16) when the operating head is pressed down.

IPC 8 full level

B05B 11/00 (2006.01)

CPC (source: EP US)

B05B 11/007 (2013.01 - EP US); **B05B 11/0072** (2013.01 - EP US); **B05B 11/1001** (2023.01 - EP US)

Cited by

EP3034178A1; FR3030313A1; US9724712B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1327477 A1 20030716; **EP 1327477 B1 20100526**; AT E468920 T1 20100615; DE 10200595 A1 20030731; DE 50312730 D1 20100708; DK 1327477 T3 20100913; ES 2343516 T3 20100803; US 2003155379 A1 20030821; US 6776312 B2 20040817

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EP 03000193 A 20030107; AT 03000193 T 20030107; DE 10200595 A 20020110; DE 50312730 T 20030107; DK 03000193 T 20030107; ES 03000193 T 20030107; US 34087203 A 20030110