

Title (en)
DISPOSABLE DISPENSER PUMP FOR LIQUID AND PASTY PRODUCTS

Publication
EP 0242253 B1 19890628 (FR)

Application
EP 87400613 A 19870319

Priority
FR 8605982 A 19860416

Abstract (en)
[origin: US4776495A] A dispenser pump and cartridge forming a single unit which can be discarded after use includes a hollow pump body with an admission valve having flexible lips which separate at the time of use under the action of a pressure gradient established within the product to be dispensed. The pump body also has a delivery valve with a flexible tubular skirt which is inwardly deformable and capable of moving locally away from an annular sealing lip, thus permitting downward escape of a dose of product. Subsequent re-closing of the skirt prevents any upward admission of external air.

IPC 1-7
A47K 5/12

IPC 8 full level
F04B 43/08 (2006.01); **A47K 5/12** (2006.01); **B65D 47/20** (2006.01); **B65D 47/22** (2006.01); **B65D 47/34** (2006.01)

CPC (source: EP US)
A47K 5/1209 (2013.01 - EP US)

Cited by
US5927567A; EP0314233A1; US4899789A; US5855302A; US5971223A; EP0836824A3; WO2009104992A1; WO9826702A1; US6673295B1; US7041246B2; EP2259982B1

Designated contracting state (EPC)
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EP 0242253 A1 19871021; EP 0242253 B1 19890628; CA 1274810 A 19901002; DE 3760269 D1 19890803; ES 2010214 B3 19891101; FR 2597551 A1 19871023; FR 2597551 B1 19931112; JP H0825569 B2 19960313; JP S62260669 A 19871112; US 4776495 A 19881011

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EP 87400613 A 19870319; CA 525925 A 19861219; DE 3760269 T 19870319; ES 87400613 T 19870319; FR 8605982 A 19860416; JP 9293887 A 19870415; US 3268887 A 19870401