

Title (en)
Resilient squeeze dispenser for viscous products

Title (de)
Elastischer Spender für viskose Produkte

Title (fr)
Distributeur élastique pour des produits visqueux

Publication
EP 0510388 B1 19960424 (EN)

Application
EP 92105510 A 19920331

Priority
EP 91830168 A 19910426

Abstract (en)
[origin: EP0510388A2] A dispenser of viscous products comprises an outer container (1), extending along a longitudinal axis (X-X) which would generally lie vertical, with at least one elastically deformable side wall (6,7), a closed bottom (2), and a top (3) provided with an opening (4) defined by a rim (5), a flexible bag (13) placed inside said outer container (1), said bag (13) having a mouth (12) and being intended for containing the viscous product, a plate-like element (8) positioned across the opening (4) in the container (1) top and being connected to the rim (5) of the latter, said plate-like element (8) being provided with an axial passageway, (10) parallel to the longitudinal axis (X-X) of the outer container (1), having a collar (11) projected inwardly of said outer container, said bag (13) having its mouth (12) sealed around said collar (11), a head (27) provided in its inner side with a viscous product delivery conduit (28) which has one end (30) provided with a delivery orifice (29) and an opposite end (32) provided with an inlet orifice (31) in communication with the axial passageway (10) through said plate-like element (8), said head (27) including connecting means (37) for being connected to the rim (5) of the opening (4) in the top of said outer container (1), a first one-way valve means (34) placed in said viscous product delivery conduit (28) and opening in the direction toward said delivery orifice (29), and a second one-way valve means (25) opening in the direction toward the inner side of the outer container (1). The dispenser includes a bag opener consisting of two pairs of elastically divergent legs (16,17,16a,17a) projecting from an annular support (15) connected to said plate-like element (8), said legs extending inside said bag (13) and applying a pressure force to the bag (13) directed toward the outer container (1). <IMAGE>

IPC 1-7
B65D 83/00

IPC 8 full level
B65D 83/00 (2006.01); **B05B 11/00** (2006.01)

CPC (source: EP)
B65D 83/0055 (2013.01); **B65D 2231/001** (2013.01)

Cited by
AU694987B2; NL2028309B1; WO9519199A1; WO9310020A1; WO2022250537A1; EP4245499A2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0510388 A2 19921028; EP 0510388 A3 19940216; EP 0510388 B1 19960424; AT E137193 T1 19960515; AU 1402492 A 19921029; AU 643608 B2 19931118; BR 9201525 A 19921201; CA 2065824 A1 19921027; DE 69210082 D1 19960530; DE 69210082 T2 19961121; ES 2086571 T3 19960701; JP H05112376 A 19930507; MX 9201845 A 19921030

DOCDB simple family (application)
EP 92105510 A 19920331; AT 92105510 T 19920331; AU 1402492 A 19920403; BR 9201525 A 19920424; CA 2065824 A 19920410; DE 69210082 T 19920331; ES 92105510 T 19920331; JP 9979792 A 19920420; MX 9201845 A 19920422