

Title (en)
Viscous product dispenser.

Title (de)
Spender für zähflüssige Substanzen.

Title (fr)
Distributeur de substance visqueuse.

Publication
EP 0388270 A1 19900919 (FR)

Application
EP 90400645 A 19900312

Priority
FR 8903236 A 19890313

Abstract (en)
[origin: JPH02269687A] PURPOSE: To adjust the dispensing of a viscous substance and realize efficient dispensing thereof by using the external return spring on the outside faces of springs or resilient blades. CONSTITUTION: A receptacle body 2 is made of a flexible material and pressurizing portions 20 and 23 continuously pressurize the receptacle body 2 while the substance is therein. The pressurizing portions 20 and 23 dispense a viscous substance by simply opening a tip portion of the receptacle in cooperation with a flexible receptacle. A resilient structure 23 in press-contact with the inner wall of a container body 1 includes first and second resilient blades 230 and 231 and the receptacle 2 made of flexible material is disposed between the inner surfaces of both blades wherein an external return spring 2400 acts on the outside faces of the springs. This enables the dispensing of a creamy substance, e.g. a high viscous substance filled by the external return spring 2400 in a container with pressure of 800 g/cm<2> or a substance with higher fluidity such as emulsion.

Abstract (fr)
L'invention concerne un récipient distributeur de substance visqueuse. Dans un corps de récipient (1) sont prévus des moyens élastiques (23) prenant appui sur la paroi interne du corps de récipient. Ces moyens comprennent une première (230) et deuxième (231) lames élastiques formant ressort entre les faces internes desquelles un réservoir (2) constitué en un matériau souple est placé. Des moyens de rappel (240, 241) externes agissent sur la face externe des ressorts. Application à la fabrication de récipient distributeur de substance visqueuse sans gaz de propulsion.

IPC 1-7
B65D 83/00

IPC 8 full level
B65D 83/38 (2006.01); **A45D 34/04** (2006.01); **B65D 35/28** (2006.01); **B65D 83/00** (2006.01)

CPC (source: EP KR US)
B65D 83/0055 (2013.01 - EP US); **B65D 83/38** (2013.01 - KR)

Citation (applicant)
• FR 2618127 A1 19890120 - WENMAEKERS PAUL [FR]
• EP 88401847 A 19880715

Citation (search report)
• [A] EP 0300886 A1 19890125 - WENMAEKERS PAUL
• [A] US 4228925 A 19801021 - MENDELOVICH ISAAC
• [A] WO 8800563 A2 19880128 - FRIEDRICH RICHARD [DE]
• [A] US 3335913 A 19670815 - BERNARD BOUET

Cited by
FR2707263A1; FR2707264A1

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

DOCDB simple family (publication)
EP 0388270 A1 19900919; EP 0388270 B1 19930526; AT E89804 T1 19930615; AU 5118690 A 19900913; AU 626646 B2 19920806; BR 9001136 A 19910305; CA 2010347 A1 19900913; CA 2010347 C 19970225; CN 1017036 B 19920617; CN 1045565 A 19900926; DE 69001695 D1 19930701; DE 69001695 T2 19930902; DK 0388270 T3 19930621; ES 2041150 T3 19931101; JP 2931615 B2 19990809; JP H02269687 A 19901105; KR 900014214 A 19901023; KR 970009381 B1 19970612; LV 5166 A3 19931010; MX 173948 B 19940411; RU 1805893 C 19930330; US 5060700 A 19911029; ZA 901833 B 19901128

DOCDB simple family (application)
EP 90400645 A 19900312; AT 90400645 T 19900312; AU 5118690 A 19900309; BR 9001136 A 19900309; CA 2010347 A 19900219; CN 90101313 A 19900313; DE 69001695 T 19900312; DK 90400645 T 19900312; ES 90400645 T 19900312; JP 6016890 A 19900313; KR 900003222 A 19900310; LV 920610 A 19921230; MX 1985890 A 19900312; SU 4743385 A 19900312; US 49042390 A 19900308; ZA 901833 A 19900309