

Title (en)
Dispenser for pasty products.

Title (de)
Spender für pastöse Produkte.

Title (fr)
Distributeur pour produits pâteux.

Publication
EP 0315077 A1 19890510 (DE)

Application
EP 88118019 A 19881028

Priority
DE 3737832 A 19871106

Abstract (en)
[origin: JPH01153476A] PURPOSE: To accurately dispense the products in a desired position by mounting a pump chamber and a stripe chamber of a dispensing unit radially adjacent one another, and not comprising a valve which can freely communicate with the container cavity. CONSTITUTION: When a closing cap 28 is removed, and an operational cap 13 is pushed down, a projection 25 of the operational cap 13 pushes an operational finger 23, and a closing portion 21 is pivotally moved outwardly. Simultaneously, the pressure generated by the downward motion of a piston 10 and kept by an extension spring of a follower piston 4, dispenses the toothpaste in a container 2 through an inlet opening 17' of a first nozzle body 17. Further the rise of pressure is generated on the boundary between the toothpaste and the colored base in a stripe chamber 6, and the moved toothpaste is flown through the first nozzle body 17, so that a limited amount of colored paste is flown through an opening 18 to be placed on a circumferential portion of the toothpaste body in the dispensing passage 29 by the resulting differential pressure.

Abstract (de)
Die Erfindung betrifft einen Spender für pastöse Produkte, der als Kolbenspender ausgestaltet und eine gegenüber bekannten Spendern vereinfachte Gestaltung aufweisen soll. Erfindungsgemäß ist vorgesehen, daß die Pumpkammer (5) einer Fördereinrichtung und eine Streifenkammer (6) einer Ausgabeeinheit (A), die auch den Ausgabekanal (29) beinhaltet, ventillos radial nebeneinanderliegend angeordnet und frei kommunizierend mit dem Behälterinnenraum (3) verbunden sind. Die Erfindung ist für Kolbenspender, insbesondere Streifenspender einsetzbar.

IPC 1-7
B65D 47/34

IPC 8 full level
B05B 11/00 (2006.01); **B65D 47/34** (2006.01); **B65D 83/00** (2006.01); **B65D 83/76** (2006.01)

CPC (source: EP US)
B05B 11/1053 (2023.01 - EP US); **B65D 83/765** (2025.01 - EP US)

Citation (search report)

- [X] GB 2172664 A 19860924 - REALEX CORP
- [Y] FR 2594419 A1 19870821 - AEROSOL INVENTIONS DEV [CH]
- [X] EP 0226777 A2 19870701 - BRAMLAGE GMBH

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

DOCDB simple family (publication)
EP 0315077 A1 19890510; **EP 0315077 B1 19930811**; AT E92874 T1 19930815; DE 3737832 A1 19890518; DE 3883153 D1 19930916; ES 2045060 T3 19940116; JP H01153476 A 19890615; US 4856679 A 19890815

DOCDB simple family (application)
EP 88118019 A 19881028; AT 88118019 T 19881028; DE 3737832 A 19871106; DE 3883153 T 19881028; ES 88118019 T 19881028; JP 27461488 A 19881101; US 15140088 A 19880202