Title (en)

TUBE FOR DISPENSING A PASTE HAVING ONE OR MORE CENTRAL STRIPES COMPOSED OF ONE OR MORE SECONDARY PASTES AND ITS UTILISATION

Publication

EP 0408475 B1 19921111 (FR)

Application

EP 90420325 A 19900709

Priority

FR 8909910 A 19890711

Abstract (en)

[origin: EP0408475A1] The invention relates to a tube (20) for dispensing a primary paste with a stripe of a second paste comprising below its dispensing orifice carried by its neck several passages for the primary paste distributed around an opening for the passage of the second paste, the said passages for the primary paste being separated from each other by intervals joining up below this opening, the said intervals being covered by a shroud (7) carrying the said opening and emerging in the annular space for storing the second paste. Simultaneously: (a) the said shroud obstructs the neck, except for the said passages and the said opening; (b) the said passages are inside tubular portions emerging on the said shroud at a level which is lower than or equal to that of the upper end of the said opening; (c) the dispensing orifice has a cross section less than 0.8 times the sum of the cross sections of the said means of passage of the two pastes, and is located at least 1.5 mm below the said opening. <??>The subject of the invention is also a tube for dispensing a primary paste with several central stripes of secondary pastes. <??>The invention is applied to the packaging of pasty products in the cosmetic, pharmaceutical, paramedical, hygiene and food domains. <IMAGE>

IPC 1-7

B65D 35/24

IPC 8 full level

B65D 81/32 (2006.01); B65D 35/24 (2006.01)

CPC (source: EP US)

B65D 35/242 (2013.01 - EP US)

Cited by

EP2241371A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0408475 A1 19910116; **EP 0408475 B1 19921111**; AT E82217 T1 19921115; CA 2020797 A1 19910112; DE 69000457 D1 19921217; DE 69000457 T2 19930513; DK 0408475 T3 19930125; ES 2035736 T3 19930416; FI 903492 A0 19900710; FR 2649675 A1 19910118; FR 2649675 B1 19911115; GR 3009552 T3 19940228; IE 902503 A1 19910213; IS 3601 A7 19910112; JP H0343363 A 19910225; NO 902994 D0 19900704; NO 902994 L 19910114; PT 8482 T 19921030; PT 8482 U 19950809; PT 94646 A 19920428; US 5102013 A 19920407

DOCDB simple family (application)

EP 90420325 Å 19900709; ÅT 90420325 T 19900709; CA 2020797 A 19900710; DE 69000457 T 19900709; DK 90420325 T 19900709; ES 90420325 T 19900709; FI 903492 A 19900710; FR 8909910 A 19890711; GR 920403280 T 19921231; IE 250390 A 19900710; IS 3601 A 19900705; JP 18252990 A 19900710; NO 902994 A 19900704; PT 848292 U 19920427; PT 9464690 A 19900710; US 55102490 A 19900710