Title (en)

CONTAINER FOR PACKAGING A LIQUID TO BE DISPENSED IN DROPS REVERSIBLY DEFORMED BY AIR INPUT

Title (de)

DURCH LUFTZUFÜHRUNG UMGEKEHRT VERFORMTER BEHÄLTER ZUR VERPACKUNG EINER IN TROPFEN ABZUGEBENDEN FLÜSSIGKEIT

Title (fr)

RECIPIENT POUR LE CONDITIONNEMENT D'UN LIQUIDE A DISTRIBUER GOUTTE A GOUTTE, A DEFORMATION REVERSIBLE PAR ADMISSION D'AIR

Publication

EP 1765513 B1 20180822 (FR)

Application

EP 05756044 A 20050624

Priority

• IB 2005001791 W 20050624
• FR 0407042 A 20040624

Abstract (en)

[origin: WO2006000897A1] The invention concerns a container for packaging a liquid (1) to be dispensed in drops, said container being reversibly deformed by air input and being equipped with a head (3) for dispensing liquid through a nozzle (5). The latter (3) comprises a recessed body (4) which is nested inside a neck (10) of the container and which holds a hydrophobic microporous pad (8) arranged upstream of a chamber (9). Said chamber (9) is provided with an air reservoir for preventing the liquid from passing through the microporous pad between two liquid dispensing operations when the nozzle (5) is sealingly obstructed with a cap (6) and for drying a partly hydrophilic and hydrophobic filtering membrane (7) arranged in the dispensing head (3).

IPC 8 full level

B65D 47/18 (2006.01); **B67D 7/76** (2010.01); **B05B 11/04** (2006.01)

CPC (source: EP KR NO US)

B05B 11/04 (2013.01 - KR); **B65D 1/32** (2013.01 - EP); **B65D 47/18** (2013.01 - EP KR NO US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

HR LV YU

DOCDB simple family (publication)

FR 2872137 A1 20051230; **FR 2872137 B1 20090123**; AR 051064 A1 20061220; BR PI0512387 A 20080311; BR PI0512387 B1 20181106; BR PI0512387 B8 20190115; CA 2572048 A1 20060105; CA 2572048 C 20110104; CN 100475359 C 20090408; CN 1972755 A 20070530; CY 1120837 T1 20191211; CY 1124636 T1 20220722; DK 1765513 T3 20181126; DK 3412590 T3 20211011; EP 1765513 A1 20070328; EP 1765513 B1 20180822; EP 3412590 A1 20181212; EP 3412590 B1 20210804; ES 2691721 T3 20181128; ES 2891874 T3 20220131; HK 1104253 A1 20080111; HU E039799 T2 20190228; HU E056784 T2 20220328; JP 2008503410 A 20080207; JP 2012210979 A 20121101; JP 5080972 B2 20121121; JP 5307916 B2 20131002; KR 100919520 B1 20090928; KR 20070027738 A 20070309; LT 1765513 T 20181112; LT 3412590 T 20211110; MA 28671 B1 20070601; MX PA06014657 A 20070212; MY 164320 A 20171215; NO 20070474 L 20070326; NO 343517 B1 20190401; PL 1765513 T3 20190131; PL 3412590 T3 20220124; PT 1765513 T 20181120; PT 3412590 T 20210929; RU 2007101567 A 20080727; RU 2385774 C2 20100410; SI 1765513 T1 20181231; SI 3412590 T1 20220131; TN SN06415 A1 20080222; TR 201815132 T4 20181121; US 2008067194 A1 20080320; US 7971755 B2 20110705; WO 2006000897 A1 20060105; ZA 200700248 B 20080528

DOCDB simple family (application)

FR 0407042 A 20040624; AR P050102478 A 20050616; BR PI0512387 A 20050624; CA 2572048 A 20050624; CN 200580020671 A 20050624; CY 181101052 T 20181016; CY 211100912 T 20211020; DK 05756044 T 20050624; DK 18183420 T 20050624; EP 05756044 A 20050624; EP 18183420 A 20050624; ES 05756044 T 20050624; ES 18183420 T 20050624; HK 07109019 A 20070820; HU E05756044 A 20050624; HU E18183420 A 20050624; IB 2005001791 W 20050624; JP 2007517521 A 20050624; JP 2012113156 A 20120517; KR 20077001804 A 20050624; LT 05756044 T 20050624; LT 18183420 T 20050624; MA 29543 A 20061219; MX PA06014657 A 20050624; MY PI20052867 A 20050623; NO 20070474 A 20070123; PL 05756044 T 20050624; PL 18183420 T 20050624; PT 05756044 T 20050624; PT 18183420 T 20050624; RU 2007101567 A 20050624; SI 200532232 T 20050624; SI 200532298 T 20050624; TN SN06415 A 20061214; TR 201815132 T 20050624; US 63083105 A 20050624; ZA 200700248 A 20070109