

Title (en)

Multi-compartment blow-molded plastic bottle and closure therefor

Title (de)

Im Blasverfahren hergestellte Mehrkammerflasche aus Kunststoff und Verschluss für Mehrkammerflasche

Title (fr)

Bouteille plastique multi-chambre moulée par soufflage et fermeture pour cette bouteille

Publication

EP 0979782 B1 20010711 (DE)

Application

EP 98810765 A 19980810

Priority

EP 98810765 A 19980810

Abstract (en)

[origin: EP0979782A1] The multi-chamber bottle has e.g. two chambers (11, 13) with apertures (21, 23) inside the neck (19). One aperture (23) is co-axial with the neck. The cover unit can be screwed or pressed onto the thread (20) or snap bulge. The plug then seals the aperture (23). There are also two channels running from the chambers to outlet apertures which can be closed with the cap of the cover unit.

IPC 1-7

B65D 81/32; **B65D 47/08**; **B65D 1/04**

IPC 8 full level

B65D 1/04 (2006.01); **B65D 47/08** (2006.01); **B65D 81/32** (2006.01)

CPC (source: EP US)

B65D 1/04 (2013.01 - EP US); **B65D 47/08** (2013.01 - EP US); **B65D 81/3227** (2013.01 - EP US); **B65D 81/3283** (2013.01 - EP US); **B65D 2251/1041** (2013.01 - EP US); **B65D 2251/1083** (2013.01 - EP US)

Cited by

ITMI20120728A1; EP2749503A1; US11377250B2; WO2019015864A1; WO2018234275A1; WO2005068595A1; US7488708B2

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL PT

DOCDB simple family (publication)

EP 0979782 A1 20000216; **EP 0979782 B1 20010711**; AT E202993 T1 20010715; AU 4893699 A 20000306; BR 9914305 A 20010619; BR 9914305 B1 20081118; CA 2339937 A1 20000224; CA 2339937 C 20060711; CN 1099359 C 20030122; CN 1321134 A 20011107; DE 59801007 D1 20010816; ES 2161032 T3 20011116; HU P0102891 A2 20011128; HU P0102891 A3 20020128; MX PA01001221 A 20030714; PL 197386 B1 20080331; PL 346133 A1 20020128; PT 979782 E 20011130; TR 200100423 T2 20010921; US 6550647 B1 20030422; WO 0009413 A1 20000224

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EP 98810765 A 19980810; AT 98810765 T 19980810; AU 4893699 A 19990729; BR 9914305 A 19990729; CA 2339937 A 19990729; CH 9900354 W 19990729; CN 99809493 A 19990729; DE 59801007 T 19980810; ES 98810765 T 19980810; HU P0102891 A 19990729; MX PA01001221 A 19990729; PL 34613399 A 19990729; PT 98810765 T 19980810; TR 200100423 T 19990729; US 76253301 A 20010208