

Title (en)

Upgraded bottle for fluid products, particularly pharmaceutical, medicinal or cosmetic products

Title (de)

Verbesserte Flasche für flüssige Produkte, insbesondere pharmazeutische, medizinische oder kosmetische Produkte

Title (fr)

Bouteille améliorée pour produits fluides, en particulier des produits pharmaceutiques, médicamenteux ou cosmétiques

Publication

EP 2452890 B1 20140827 (EN)

Application

EP 12153985 A 20070612

Priority

- EP 07766537 A 20070612
- IT MO20060192 A 20060616

Abstract (en)

[origin: EP2452890A1] The upgraded bottle (1) for fluid products, particularly pharmaceutical, medicinal and cosmetic products, comprises: - a containing body (2) for containing a fluid product, particularly a pharmaceutical, medicinal or cosmetic product, - a dispensing mouth (4) of the product defined at one end of the containing body (2), - a tearable membrane (8) for closing the dispensing mouth (4), - a closing element (5) that can be screwed or unscrewed on the end of the containing body (2) and is provided with a cap (6), inside which is defined a perforator (7) of the membrane (8), - maintaining means for maintaining the cap (6) in a safety configuration, in which the perforator (7) is substantially positioned away from the membrane (8) and in which the cap (6) can be freely turned around the screwing and unscrewing axis of the closing element (5) in at least one direction of rotation, the maintaining means comprising a first retention element (20) defined on the outer surface of the end of the containing body (2) suitable for engaging with a respective lock element (21) defined on the inner side surface of the cap (6).

IPC 8 full level

B65D 50/04 (2006.01)

CPC (source: EP KR US)

B65D 50/045 (2013.01 - EP US); **B65D 51/22** (2013.01 - KR); **B65D 51/225** (2013.01 - EP US); **B65D 51/227** (2013.01 - EP US); **B65D 2215/02** (2013.01 - EP US); **B65D 2221/00** (2013.01 - EP US)

Cited by

US10676261B2; US11718457B2

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 LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007144742 A2 20071221; **WO 2007144742 A3 20080710**; AT E552184 T1 20120415; BR PI0711942 A2 20111213; CN 101460372 A 20090617; CN 101460372 B 20120926; EP 2032458 A2 20090311; EP 2032458 B1 20120404; EP 2452890 A1 20120516; EP 2452890 B1 20140827; ES 2385504 T3 20120725; ES 2524146 T3 20141204; IT MO20060192 A1 20071217; JP 2009539714 A 20091119; JP 5270539 B2 20130821; KR 20090029706 A 20090323; MX 2008016150 A 20090115; US 2009321382 A1 20091231

DOCDB simple family (application)

IB 2007001566 W 20070612; AT 07766537 T 20070612; BR PI0711942 A 20070612; CN 200780020764 A 20070612; EP 07766537 A 20070612; EP 12153985 A 20070612; ES 07766537 T 20070612; ES 12153985 T 20070612; IT MO20060192 A 20060616; JP 2009514923 A 20070612; KR 20087029023 A 20081127; MX 2008016150 A 20070612; US 30827107 A 20071206