

Title (en)
STOPPER FOR A BOTTLE

Title (de)
STOPFEN FÜR EINE FLASCHE

Title (fr)
BOUCHON POUR BOUTEILLE

Publication
EP 1824752 B1 20080220 (FR)

Application
EP 05818934 A 20051108

Priority
• FR 2005050937 W 20051108
• FR 0411888 A 20041108

Abstract (en)
[origin: WO2006051240A1] The invention relates to an improvement to bottle stoppers having a general form resembling that of a cylindrical body, defined by an upper end (4) and a lower end (5). According to the invention, the cylindrical body (1) of the stopper comprises a cylindrical wall (6) made of a molded plastic material, inside which the following is provided: an obturating structure (20) which is at least tight with respect to liquids, and a rigidifying honeycomb structure (7) which is also made of molded plastic material and which is obtained as a single piece with the cylindrical wall; the honeycomb structure (7) is made up of a plurality of juxtaposed longitudinal channels (10), said channels (10) extending from the obturating structure (20) to at least one of the upper (4) and/or lower extremities (5) of the cylindrical body (1) where it/they open out, and the form thereof is that of a bee hive, made up of channels whereby at least the majority thereof have a hexagonal or substantially hexagonal section. The obturating structure (20) advantageously consists of a molded insert (21) configured in such a way as to optimize preservation and/or evolution of the liquid contained in the bottle (e.g. a wood-type or cork-type material).

IPC 8 full level
B65D 39/00 (2006.01)

CPC (source: EP US)
B65D 39/0029 (2013.01 - EP US); **B65D 39/0076** (2013.01 - EP 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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2877644 A1 20060512; **FR 2877644 B1 20080815**; AT E386691 T1 20080315; AU 2005303639 A1 20060518;
DE 602005004940 D1 20080403; DE 602005004940 T2 20090219; EP 1824752 A1 20070829; EP 1824752 B1 20080220;
ES 2302252 T3 20080701; PT 1824752 E 20080529; US 2008121607 A1 20080529; WO 2006051240 A1 20060518

DOCDB simple family (application)
FR 0411888 A 20041108; AT 05818934 T 20051108; AU 2005303639 A 20051108; DE 602005004940 T 20051108; EP 05818934 A 20051108;
ES 05818934 T 20051108; FR 2005050937 W 20051108; PT 05818934 T 20051108; US 66707705 A 20051108