

Title (en)
STOPPER HAVING A SLIDING PLUG AND COMPRISING MULTIPLE DISTRIBUTION HOLES

Title (de)
STOPPER MIT EINEM SCHIEBEPFROPFEN UND MEHREREN VERTEILUNGSLÖCHERN

Title (fr)
BOUCHON A OBTURATEUR COULISSANT PRESENTANT PLUSIEURS TROUS DE DISTRIBUTION

Publication
EP 2694389 B1 20141217 (FR)

Application
EP 12714296 A 20120405

Priority
• FR 1101020 A 20110405
• EP 2012056245 W 20120405

Abstract (en)
[origin: WO2012136746A1] A stoppering device to be secured to a container neck comprises a tubular spout (18) defining a passage opening (24), and a plug. The plug (12) has an outer tubular shell (42) sliding on the tubular spout (18), and a bottom (44) provided with a sealing skirt (52) and multiple distribution holes (54). The bottom (44) of the plug engages with the connecting wall of the tubular spout (18) in the plugging position, while preserving an annular retention space (60) between the bottom (44) of the plug and the tubular spout (18). The bottom (44) comprises radial ribs (56) which are in an alternating arrangement between the distribution holes (54), and constitute retention facets retaining the liquid held in the retention space by adhesion. The small volume of liquid which, during the plugging phase, would be prevented from flowing back into the container closed by the stoppering device, can remain in the annular retention space without any particular risk of abrupt ejection, said retention being promoted by the presence of multiple walls in the chamber, in particular the retention facets.

IPC 8 full level
B65D 47/24 (2006.01)

CPC (source: EP US)
B65D 39/0052 (2013.01 - US); **B65D 47/243** (2013.01 - EP US); **A47G 19/2272** (2013.01 - US); **B65D 47/247** (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012136746 A1 20121011; EP 2694389 A1 20140212; EP 2694389 B1 20141217; ES 2531266 T3 20150312; FR 2973781 A1 20121012; FR 2973781 B1 20140711; US 2014197126 A1 20140717; US 9428308 B2 20160830

DOCDB simple family (application)
EP 2012056245 W 20120405; EP 12714296 A 20120405; ES 12714296 T 20120405; FR 1101020 A 20110405; US 201214009136 A 20120405