

Title (en)

PLASTIC BARRIER CLOSURE AND METHOD OF FABRICATION

Title (de)

GAS-UNDURCHLÄSSIGER KUNSTSTOFF VERSCHLUSS UND VERFAHREN ZUR HERSTELLUNG

Title (fr)

BOUCHON ETANCHE EN PLASTIQUE ET PROCEDE DE FABRICATION

Publication

**EP 1494932 A1 20050112 (EN)**

Application

**EP 03721620 A 20030410**

Priority

- US 0311096 W 20030410
- US 37188502 P 20020411

Abstract (en)

[origin: WO03086890A1] The present invention relates to a plastic barrier closure (or cap) for bottles and the like that has (1) a body having a top wall, a side wall, a securing means and a seal that has at least one concentric sealing member extending from the top wall, and (2) a barrier incorporated into the top wall. The barrier layer may be incorporated into the top wall by (1) depositing a melted mass of barrier polymer in the pre-molded cap body and then molding it into place by mechanical means or (2) forming a barrier layer from the barrier polymer and inserting it into a pre-molded cap body.

IPC 1-7

**B65D 41/04**

IPC 8 full level

**B65D 53/04** (2006.01); **B65D 41/04** (2006.01); **B65D 53/02** (2006.01)

CPC (source: EP KR US)

**B65D 41/04** (2013.01 - KR); **B65D 41/0407** (2013.01 - EP US); **B65D 41/0435** (2013.01 - EP US); **B65D 53/00** (2013.01 - KR)

Citation (search report)

See references of WO 03086890A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 03086890 A1 20031023**; AU 2003224924 A1 20031027; BR 0308962 A 20050111; CA 2481398 A1 20031023; CN 1646384 A 20050727; CO 5631423 A2 20060428; EP 1494932 A1 20050112; IL 164102 A0 20051218; JP 2005522383 A 20050728; KR 20040097314 A 20041117; MX PA04009816 A 20041213; NZ 535417 A 20060331; US 2003222046 A1 20031204

DOCDB simple family (application)

**US 0311096 W 20030410**; AU 2003224924 A 20030410; BR 0308962 A 20030410; CA 2481398 A 20030410; CN 03808203 A 20030410; CO 04101499 A 20041011; EP 03721620 A 20030410; IL 16410203 A 20030410; JP 2003583864 A 20030410; KR 20047016004 A 20030410; MX PA04009816 A 20030410; NZ 53541703 A 20030410; US 41042403 A 20030409