

Title (en)

System for maintaining sterile conditions at the filling spout of containers for aseptic packaging plants

Title (de)

Vorrichtung zum Erhalten von sterilen Bedingungen am Einfüllstutzen eines Behälters in aseptischen Verpackungsanlagen

Title (fr)

Système pour maintenir des conditions de stérilité à l'embout de remplissage d'un récipient dans des installations de conditionnement aseptique

Publication

EP 0731037 A1 19960911 (EN)

Application

EP 96103301 A 19960304

Priority

IT MI950447 A 19950308

Abstract (en)

A system for maintaining sterile conditions in the area of the filling spout (2) of containers (1) for aseptic packaging systems, comprising a cap (6) that can be applied in a removable manner to said spout (2), before gamma ray sterilisation of the container (1), and can be removed immediately prior to filling of the container. <IMAGE>

IPC 1-7

B65D 41/62

IPC 8 full level

B65D 41/62 (2006.01)

CPC (source: EP)

B65D 41/62 (2013.01)

Citation (search report)

- [XY] US 4616760 A 19861014 - KERSTEN JEAN [BE], et al
- [Y] GB 2112735 A 19830727 - A C I AUSTRALIA LTD
- [Y] US 4687114 A 19870818 - CRISCI ROBERT E [US]
- [Y] US 3108732 A 19631029 - CURIE ROBERT J, et al
- [Y] US 5097949 A 19920324 - HELDWEIN FRANZ C [US]

Cited by

EP1247749A3; AU2015246068B2; US6629401B1; WO02057157A1; EP1247749A2; WO03089328A1; WO0230779A1; WO2007019868A1; WO0066436A1; US10625894B2; US11827403B2; US11905060B2; EP3011944B1

Designated contracting state (EPC)

ES FR GR PT

DOCDB simple family (publication)

EP 0731037 A1 19960911; EP 0731037 B1 20021204; ES 2187586 T3 20030616; IT 1275875 B1 19971024; IT MI950447 A0 19950308; IT MI950447 A1 19960908; PT 731037 E 20030430; TR 199600187 A2 19961021

DOCDB simple family (application)

EP 96103301 A 19960304; ES 96103301 T 19960304; IT MI950447 A 19950308; PT 96103301 T 19960304; TR 9600187 A 19960306