

Title (en)
Aseptic filling station.

Title (de)
Aseptische Abfüllanlage.

Title (fr)
Station de remplissage aseptique.

Publication
EP 0236107 A1 19870909 (EN)

Application
EP 87301791 A 19870302

Priority
• AU 6961787 A 19870302
• AU PH485486 A 19860303

Abstract (en)
A method and system for aseptic filling of containers. The flexible containers (1) are presterilized and a rupturable membrane (41) covers the inlet to the container. The filling head (20) includes a recess (46) below the outlet valve (22) and this recess is closed by the rupturable membrane (41) when the container inlet is aligned with the filling head. After alignment sterilizing fluid is introduced into the recess to sterilize the outer surface of the membrane and the internal surfaces of the recess. Following sterilization the valve member (22) moves towards the rupturable membrane (41) allowing the piercing tool (25) to rupture said membrane. The outlet valve (24) of the filling head is opened and the liquid is allowed to flow into the container. Subsequent to completion of the filling cycle the inlet to the container is sealed and the sealed and filled container (1) is then removed from the filling head (20).

IPC 1-7
B65B 55/02

IPC 8 full level
B65B 55/02 (2006.01)

CPC (source: EP)
B65B 55/022 (2013.01)

Citation (search report)
[X] EP 0072699 A1 19830223 - WRIGHTCEL LTD [AU]

Cited by
US7655198B2; AU760376B2; GB2328426A; US4893659A; EP0741087A1; CN1071690C; EP0317908A1; CH674637A5; AU2006254733B2; DE8711114U1; EP0395933A1; US5099895A; CH679768A5; WO2004074162A1; WO2006128246A1; WO02062666A1; WO0062820A3; US7264771B2; US9289522B2; US9737624B2; US10166306B2; US10821197B2; US11833259B2

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)
EP 0236107 A1 19870909; EP 0236107 B1 19900613; ES 2016839 B3 19901201

DOCDB simple family (application)
EP 87301791 A 19870302; ES 87301791 T 19870302