

Title (en)
ASEPTIC CONTAINER FILLER APPARATUS

Publication
EP 0042896 B1 19860409 (EN)

Application
EP 80302221 A 19800701

Priority
EP 80302221 A 19800701

Abstract (en)
[origin: EP0042896A1] A mechanism for filling containers within a sterile chamber under aseptic conditions includes a nozzle (48) which forms an extension of the sterile chamber and which is arranged to have a lower outlet end inserted into an open container to be filled and which is provided with valve closure element (51) which is opened when the nozzle is at its lowermost position and which remains open during filling of the container. Filling is accompanied by upward movement of the nozzle and of the closure element while maintained in open position so as to prevent splashing together with a seal (49, 52 and 53) for preventing dripping following closure of the valve means. The fluid is isolated from atmosphere by suitable barrier cavities containing sterile inert gas under slight pressure above atmospheric pressure and defined in part by rolling seals which isolate the moving elements from atmosphere.

IPC 1-7
B65B 31/02

IPC 8 full level
B65B 39/00 (2006.01); **B65B 55/02** (2006.01)

CPC (source: EP)
B65B 39/004 (2013.01); **B65B 55/02** (2013.01)

Cited by
EP0265128A3; CN108715433A; EP0894723A1; EP0532123A1; WO8802722A3

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

DOCDB simple family (publication)
EP 0042896 A1 19820106; EP 0042896 B1 19860409; AT E19034 T1 19860415; DE 3071533 D1 19860515

DOCDB simple family (application)
EP 80302221 A 19800701; AT 80302221 T 19800701; DE 3071533 T 19800701