

Title (en)

Disposable syringe conditioning apparatus and related conditioning method

Title (de)

Konditionierungsvorrichtung für Einwegspritze und entsprechendes Konditionierungsverfahren

Title (fr)

Appareil de conditionnement pour seringue à usage unique et procédé de conditionnement correspondant

Publication

EP 1336418 A1 20030820 (EN)

Application

EP 03425074 A 20030210

Priority

IT BO20020072 A 20020214

Abstract (en)

The apparatus (1) for conditioning disposable syringes (2) comprises a lower truncated cone shaped first portion (14), an upper truncated cone shaped second portion (15), a central cylindrical third portion (17) and a cylindrical guide tube (24), all extending along a path (P) followed by a stopper (7) moving towards a syringe (2) under the driving action of a plunger. The cylindrical third portion (17) has a plurality of outlet openings (19) for an inert gas (20) supplied by a pressurised source (22). <IMAGE>

IPC 1-7

A61M 5/178; **B65B 3/00**

IPC 8 full level

B65B 3/00 (2006.01); **A61M 5/178** (2006.01)

CPC (source: EP)

B65B 3/003 (2013.01); **B65B 7/2821** (2013.01)

Citation (search report)

- [A] US 5519984 A 19960528 - BEUSSINK DONALD R [US], et al
- [A] GB 1217421 A 19701231 - SICKEL HELMUT [DE]
- [A] US 2896381 A 19590728 - RICHARD LANGE
- [A] US 3670786 A 19720620 - LEVIN HOWARD J, et al

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 SE SI SK TR

DOCDB simple family (publication)

EP 1336418 A1 20030820; **EP 1336418 B1 20041006**; AT E278429 T1 20041015; DE 60300066 D1 20041111; DE 60300066 T2 20050908; ES 2229198 T3 20050416; IT BO20020072 A0 20020214; IT BO20020072 A1 20030814

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