

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)

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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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