

Title (en)
A VALVE FOR A SYRINGE

Publication
EP 0497958 A4 19930915 (EN)

Application
EP 91915682 A 19910827

Priority
AU PK200990 A 19900829

Abstract (en)
[origin: WO9204064A1] A single use syringe having a cylindrical wall (12) extending to a needle mounting (11). The wall (12) has an internal cylindrical surface (13) which cooperates with a slidable piston to enclose at least part of a variable volume chamber (12). A valve assembly (15) is located in the chamber (14) and prevents reuse of the syringe. The valve includes a valve seat (22) which cooperates with a moveable valve member (26), which may be of spherical configuration. The valve member (26) is moveable from the upstream side of the valve seat (22), to the downstream side thereof to prevent reuse of the syringe. The piston (plunger head) (269) is captively located within the cylindrical body (261) to prevent its withdrawal and thereby prevent reuse of the syringe by filling the syringe through the rear opening of the cylindrical body (261). The syringe may also be provided with a porous disk (174) which permits a medication in the form of a powder to be located within the syringe and subsequently injected upon being mixed and dissolved in an only withdrawn in the syringe.

IPC 1-7
A61M 5/50; **A61M 39/00**

IPC 8 full level
A61M 5/31 (2006.01); **A61M 5/50** (2006.01); **A61M 5/315** (2006.01)

CPC (source: EP KR)
A61M 5/178 (2013.01 - KR); **A61M 5/5013** (2013.01 - EP); **A61M 5/31511** (2013.01 - EP); **A61M 2005/3128** (2013.01 - EP);
A61M 2005/5053 (2013.01 - EP)

Citation (search report)

- [X] FR 2632190 A1 19891208 - MICHAUD JEAN [FR]
- [X] US 4332249 A 19820601 - JOSLIN JOEL A
- [X] EP 0344956 A1 19891206 - BRITISH TECH GROUP [GB]
- See references of WO 9204064A1

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

DOCDB simple family (publication)
WO 9204064 A1 19920319; BR 9105889 A 19921124; CN 1060217 A 19920415; EP 0497958 A1 19920812; EP 0497958 A4 19930915; JP H05503236 A 19930603; KR 920702238 A 19920903

DOCDB simple family (application)
AU 9100394 W 19910827; BR 9105889 A 19910827; CN 91105846 A 19910829; EP 91915682 A 19910827; JP 51380891 A 19910827; KR 920701006 A 19920429