

Title (en)  
Ampoule and use of the ampoule

Title (de)  
Ampulle und Verwendung der Ampulle

Title (fr)  
Ampoule et utilisation de l'ampoule

Publication  
**EP 0801940 A3 19980408 (DE)**

Application  
**EP 97106237 A 19970416**

Priority  
CH 98596 A 19960418

Abstract (en)  
[origin: EP0801940A2] The main bottom portion (12) of the ampoule (10) is joined via a circular throat (24) to an intermediate chamber (18), at the top of which is a further throat (26) forming a fracture point at which the head (20) is detached. This forms a supporting edge (28), against which the end face (36) of a cylindrical injection syringe bears. An elastic cone (38) protruding from the end face passes contact-free through the top throat and intermediate chamber into the main portion. The bottom throat is of smaller diameter than the top one, part of the cone forming a press-fit against it. The intermediate chamber can be onion-shaped, or alternatively cylindrical and of larger diameter at all points than the bottom throat.

IPC 1-7  
**A61J 1/06**

IPC 8 full level  
**A61J 1/00** (2006.01); **A61J 1/06** (2006.01); **A61J 1/20** (2006.01); **B65D 1/09** (2006.01)

CPC (source: EP)  
**A61J 1/06** (2013.01); **A61J 1/065** (2013.01); **A61J 1/2096** (2013.01); **B65D 1/09** (2013.01)

Citation (search report)  
• [A] WO 9108729 A1 19910627 - ASTRA AB [SE]  
• [A] US 4376634 A 19830315 - PRIOR RICHARD B, et al  
• [AD] US 4254883 A 19810310 - URBAN JOSEPH J  
• [AD] DE 3916840 A1 19900329 - HANSEN BERND [DE]

Cited by  
WO03011206A1

Designated contracting state (EPC)  
AT CH DE ES FR IT LI

DOCDB simple family (publication)  
**EP 0801940 A2 19971022; EP 0801940 A3 19980408**

DOCDB simple family (application)  
**EP 97106237 A 19970416**