

Title (en)
AMPOULE

Publication
EP 0344476 B1 19920902 (DE)

Application
EP 89107869 A 19890429

Priority
DE 3818682 A 19880601

Abstract (en)
[origin: EP0344476A2] An ampoule 10 is designed with an ampoule neck 13 formed on the ampoule container 11, which ampoule neck 13 on the one hand bears a closure piece which can be removed by means of a predetermined breaking point, and on the other hand is designed as a plug-in and retention ring for the insertion of the head of an application device, for example the receiving cone 17 of a hypodermic syringe 16, in such a way that, in the connected state, the application device and the ampoule are joined firmly to form one unit. The ampoule 10 is preferably made in one piece from a thermoplastic, preferably polypropylene, and for this reason has sufficient elastic resilience at the ampoule neck 13 to be widened elastically upon insertion of the head or receiving cone 17 and to ensure the firm holding together of the application device and ampoule 10 when connected. However, in order to let air in during aspiration of the ampoule contents, the ampoule neck 13 can be designed on the inside with an axial ventilation groove. <IMAGE>

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A61J 1/00; **A61J 1/06**

IPC 8 full level
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CPC (source: EP US)
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Cited by
EP0399234A1; EP3498126A1; CN111132647A; FR2908110A1; EP1918214A1

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