

Title (en)  
CONTAINERS FOR LYOPHILIZED PHARMACEUTICAL PRODUCTS

Publication  
**EP 0459182 A3 19930120 (EN)**

Application  
**EP 91107365 A 19910507**

Priority  
IT 5305990 U 19900529

Abstract (en)  
[origin: EP0459182A2] Containers for lyophilized pharmaceutical products to be administrated in drops, consist of two bottles (1, 8). The first one (1), that initially contains the lyophilized product (2), is made of rigid material and is provided with a hermetically sealed cap (3) that can be partially ripped open and with a rubber stopper (7) interposed between the cap (3) and its own open edge. The second bottle (8), that is designed for containing initially the solvent (10) is made of compressible material and is provided with a spout (9). The first bottle (1) has a hole (6) in the stopper (7) designed for receiving the spout (9). <IMAGE>

IPC 1-7  
**B65D 47/18**; **A61J 1/00**

IPC 8 full level  
**A61J 1/00** (2006.01); **A61J 1/20** (2006.01); **B65D 81/32** (2006.01)

CPC (source: EP)  
**A61J 1/2089** (2013.01); **B65D 81/3211** (2013.01); **A61J 1/2044** (2015.05)

Citation (search report)  
• [X] EP 0138681 A2 19850424 - MERCK SHARP & DOHME [FR]  
• [Y] US 4284201 A 19810818 - NIXON ERIC  
• [A] US 4317448 A 19820302 - SMITH PHILIP E

Cited by  
EA037496B1; EP3946274A4; US8721616B2; US11103379B2; US11324630B2; US10442583B2; WO2008038126A3; WO2013134760A3; WO2016162812A1

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

DOCDB simple family (publication)  
**EP 0459182 A2 19911204**; **EP 0459182 A3 19930120**; **EP 0459182 B1 19960911**; AT E142587 T1 19960915; DE 69121966 D1 19961017; DE 69121966 T2 19970320; ES 2092524 T3 19961201; IT 220400 Z2 19930921; IT 9053059 U1 19911130; IT 9053059 V0 19900529

DOCDB simple family (application)  
**EP 91107365 A 19910507**; AT 91107365 T 19910507; DE 69121966 T 19910507; ES 91107365 T 19910507; IT 5305990 U 19900529