

Title (en)  
CONTAINER FOR FREEZE DRYING UNDER STERILE CONDITIONS

Publication  
**EP 0343596 B1 19920304 (DE)**

Application  
**EP 89109246 A 19890523**

Priority  
DE 3817906 A 19880526

Abstract (en)  
[origin: EP0343596A2] For the freeze-drying of, in particular, biological or pharmaceutical material under sterile conditions, the material to be dried is placed in a container whose sides are at least partly composed of a hydrophobic, porous, germproof membrane which is permeable to water vapour, the container is closed pressure-tight and then the material is freeze-dried in the closed container under usual conditions.

IPC 1-7  
**F26B 5/06**

IPC 8 full level  
**A23L 3/44** (2006.01); **A61J 3/00** (2006.01); **B01D 9/02** (2006.01); **B01D 9/04** (2006.01); **B01D 53/22** (2006.01); **F26B 5/06** (2006.01)

CPC (source: EP)  
**F26B 5/06** (2013.01)

Cited by  
US5958778A; US6503455B1; US6312648B1; FR2740108A1; FR2738057A1; US5257983A; EP1958618A1; US5596814A; US5732837A; US5425951A; US5340592A; WO9720181A1; WO2015162273A1; WO9708503A1; WO9527180A1; EP2431024A1; US8518452B2; EP2386399B1; US10793327B2; US11634257B2; US11604026B2; US11609042B2; US11609043B2; US11740019B2; US11747082B2; US11815311B2; US11994343B2

Designated contracting state (EPC)  
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**EP 0343596 A2 19891129; EP 0343596 A3 19900228; EP 0343596 B1 19920304**; AT E73226 T1 19920315; CA 1337974 C 19960123; DD 283864 A5 19901024; DE 3817906 A1 19891130; DE 58900902 D1 19920409; DK 173643 B1 20010514; DK 252589 A 19891127; DK 252589 D0 19890524; ES 2030556 T3 19921101; FI 892563 A0 19890525; FI 892563 A 19891127; FI 91442 B 19940315; FI 91442 C 19940627; GR 3004584 T3 19930428; HU 204126 B 19911128; HU T52617 A 19900728; IE 61012 B1 19940907; IE 891541 L 19891126; JP H0229256 A 19900131; JP H0450830 B2 19920817; PL 159938 B1 19930129; PL 279609 A1 19900122

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