

Title (en)  
A CLOSURE DEVICE

Title (de)  
SCHLIESSVORRICHTUNG

Title (fr)  
DISPOSITIF D'OBTURATION

Publication  
**EP 0783641 A1 19970716 (EN)**

Application  
**EP 95932829 A 19950928**

Priority  
• GB 9502309 W 19950928  
• GB 9419737 A 19940930  
• GB 9419703 A 19940930

Abstract (en)  
[origin: WO9610709A1] The invention relates to a closure device such as a cone valve (1) for obturating a filling or discharge opening (2) of a container (3) for flowable material, such as powder, comprising at least two initially separate parts (4 and 5) secured together by an interference fit. The closure device (1) has a seating means for mounting a flexible C-shaped external seal means (10), which engages a lip of a hopper outlet for the flowable material. There is also disclosed a plastic substantially flat retaining member 100 (Figure 7) which engages in the cone valve and holds the valve in position in the opening against unwanted movement, particularly during transport.

IPC 1-7  
**F16K 27/07**; **B65D 90/62**

IPC 8 full level  
**B65D 90/62** (2006.01); **F16K 27/07** (2006.01)

CPC (source: EP)  
**B65D 90/626** (2013.01); **F16K 27/07** (2013.01); **B65D 2590/542** (2013.01)

Citation (search report)  
See references of WO 9610709A1

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

DOCDB simple family (publication)  
**WO 9610709 A1 19960411**; AU 3572295 A 19960426; EP 0783641 A1 19970716; JP H10509785 A 19980922

DOCDB simple family (application)  
**GB 9502309 W 19950928**; AU 3572295 A 19950928; EP 95932829 A 19950928; JP 51151796 A 19950928