

Title (en)  
STOPPER FOR VIALS

Publication  
**EP 0028411 B1 19840125 (EN)**

Application  
**EP 80106715 A 19801031**

Priority  
JP 14261279 A 19791101

Abstract (en)  
[origin: EP0028411A1] A stopper for sealing off vials having a flange at their opening portion without using any aluminum material and without resorting to the crimping step needed for aluminum caps comprising a rubber plug (3) having a top plate (3a) fittable to the flange (11a) in pressing contact therewith, a flexible inner cap (2) for receiving the rubber plug (3) therein and an outer cap (1) fittable over the inner cap (2), the inner cap (2) having an upper wall (2a) formed with a hole (5) in its center and a side wall (26) formed with at least one projection (6) on the inner peripheral surface thereof, the projection (6) being fittable to the lower face of the flange (11a) with the top plate (3a) of the rubber plug (3) held between the upper wall (2a) and the flange (11a).

IPC 1-7  
**B65D 39/00**; **B65D 45/02**; **B65D 51/18**; **B65D 49/12**

IPC 8 full level  
**B65D 51/18** (2006.01); **B01L 3/14** (2006.01); **B65D 39/00** (2006.01); **B65D 45/02** (2006.01); **B65D 49/12** (2006.01); **B65D 51/24** (2006.01)

CPC (source: EP)  
**B01L 3/50825** (2013.01); **B65D 51/241** (2013.01)

Cited by  
FR2753180A1; US4554125A; EP0257498A3; US5232111A; US7543188B2; US5823379A; DE3241283A1; GB2312207A; GB2312207B; US4465200A; EP0129029A1; US10335792B2; WO2013068636A1; WO2019125223A1; JP2010517885A; WO9111259A1; WO2006066056A3

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

DOCDB simple family (publication)  
**EP 0028411 A1 19810513**; **EP 0028411 B1 19840125**; AT E5958 T1 19840215; DE 3066308 D1 19840301; ES 265665 U 19830201; ES 265665 Y 19830716; JP S5664961 A 19810602

DOCDB simple family (application)  
**EP 80106715 A 19801031**; AT 80106715 T 19801031; DE 3066308 T 19801031; ES 265665 U 19801031; JP 14261279 A 19791101