

Title (en)  
CLOSURE STOPPER

Title (de)  
VERSCHLUSSSTOPFEN

Title (fr)  
BOUCHON DE FERMETURE

Publication  
**EP 1259436 A1 20021127 (DE)**

Application  
**EP 01913781 A 20010202**

Priority  
• DE 10009895 A 20000301  
• EP 0101120 W 20010202

Abstract (en)  
[origin: DE10009895A1] The stopper is in the form of a one-piece plastic part whose covering wall (1) has a surge-proof wall (5) protruding on the inside (1a) and enclosing a degassing vent (6) spaced apart all round. A filter fleece (7) rests against the inside of the covering wall and is fixed by a ridge (8) fused onto the foot of the surge-proof wall. The rim of the covering wall protrudes radially beyond the stopper frame (3) and has a sealing ring (9) on the inside.

IPC 1-7  
**B65D 51/16**

IPC 8 full level  
**B65D 39/00** (2006.01); **B65D 51/16** (2006.01)

CPC (source: EP KR US)  
**B65D 39/0023** (2013.01 - EP US); **B65D 51/1616** (2013.01 - EP US); **B65D 53/06** (2013.01 - KR); **B65D 2539/003** (2013.01 - EP US);  
**B65D 2539/006** (2013.01 - EP US)

Citation (search report)  
See references of WO 0164540A1

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

DOCDB simple family (publication)  
**DE 10009895 A1 20010920**; AU 3923801 A 20010912; EP 1259436 A1 20021127; JP 2003528008 A 20030924; KR 20020079976 A 20021021;  
US 2003030233 A1 20030213; WO 0164540 A1 20010907

DOCDB simple family (application)  
**DE 10009895 A 20000301**; AU 3923801 A 20010202; EP 0101120 W 20010202; EP 01913781 A 20010202; JP 2001563397 A 20010202;  
KR 20027011386 A 20020830; US 22043802 A 20020903