

Title (en)  
Gas capsule

Title (de)  
Gaspatrone

Title (fr)  
cartouche de gaz

Publication  
**EP 0947760 A3 19991201 (EN)**

Application  
**EP 99302130 A 19990319**

Priority  
GB 9807175 A 19980403

Abstract (en)  
[origin: EP0947760A2] A method of filling a capsule with helium comprises making a first crimp in a neck portion of the capsule spaced from the free end of the neck and subsequently making a second crimp at or immediately adjacent the free end of the neck to effectively form a chamber between the two crimps which inhibits the helium reaching the free end which is subsequently welded. <IMAGE>

IPC 1-7  
**F17C 13/06**; **F17C 5/06**

IPC 8 full level  
**F16J 12/00** (2006.01); **F17C 5/06** (2006.01); **F17C 5/00** (2006.01); **F17C 13/06** (2006.01)

CPC (source: EP)  
**F17C 5/06** (2013.01); **F17C 13/06** (2013.01); **F17C 2201/0109** (2013.01); **F17C 2201/058** (2013.01); **F17C 2203/0646** (2013.01); **F17C 2203/069** (2013.01); **F17C 2221/017** (2013.01); **F17C 2223/0123** (2013.01); **F17C 2223/035** (2013.01); **F17C 2260/013** (2013.01); **F17C 2270/0736** (2013.01)

Citation (search report)

- [PA] EP 0888790 A1 19990107 - POWDERJECT RES LTD [GB]
- [A] EP 0821195 A2 19980128 - BOC GROUP PLC [GB]
- [A] EP 0757202 A2 19970205 - BOC GROUP PLC [GB]
- [A] US 5695215 A 19971209 - HEADLEY PAUL S [US], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 194 (M - 403) 10 August 1985 (1985-08-10)

Cited by  
FR2895060A1; US11041590B2; WO2019152965A1

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

DOCDB simple family (publication)  
**EP 0947760 A2 19991006**; **EP 0947760 A3 19991201**; **EP 0947760 B1 20061129**; AU 2245599 A 19991014; AU 742318 B2 20011220; CA 2267483 A1 19991003; CA 2267483 C 20070130; CZ 111599 A3 19991215; CZ 300634 B6 20090708; DE 69934159 D1 20070111; DE 69934159 T2 20070927; ES 2274603 T3 20070516; GB 9807175 D0 19980603; HU 226351 B1 20080929; HU 9900776 D0 19990528; HU P9900776 A2 20000528; HU P9900776 A3 20010628; JP 2000028096 A 20000125; PL 190106 B1 20051031; PL 332350 A1 19991011; SK 285394 B6 20070104; SK 43999 A3 19991108; ZA 992515 B 19991005

DOCDB simple family (application)  
**EP 99302130 A 19990319**; AU 2245599 A 19990329; CA 2267483 A 19990329; CZ 111599 A 19990329; DE 69934159 T 19990319; ES 99302130 T 19990319; GB 9807175 A 19980403; HU P9900776 A 19990326; JP 9642699 A 19990402; PL 33235099 A 19990401; SK 43999 A 19990401; ZA 992515 A 19990401