

Title (en)  
Cast plastic-bonded explosive

Title (de)  
Kunststoffgebundener gegossener Sprengstoff

Title (fr)  
Explosif coulé lié par un polymère

Publication  
**EP 1342704 A3 20040211 (DE)**

Application  
**EP 03004707 A 20030304**

Priority  
DE 10210515 A 20020309

Abstract (en)  
[origin: EP1342704A2] Novel plastics bonded cast explosive containing (parts by wt): (1) high power explosive (82-90); (2) curable free flowing silicone-based binder (10-15); and (3) plasticizer (up to 75). An Independent claim is included for the preparation of the explosive involving: (a) mixing of a binder based on silicone resin at room temperature and 40 mbar pressure with a curing agent and a plasticizer; (b) filling of the castable mixture at room temperature and a pressure of less than 30 mbar into a mold with vibration; and (c) curing over several hours at a temperature of 100-120 degrees C.

IPC 1-7  
**C06B 21/00**; C06B 45/10

IPC 8 full level  
**C06B 21/00** (2006.01); **C06B 45/10** (2006.01)

CPC (source: EP)  
**C06B 21/0058** (2013.01); **C06B 45/10** (2013.01)

Citation (search report)

- [Y] FR 2109102 A5 19720526 - FRANCE ETAT
- [Y] GB 2170494 A 19860806 - AEROJET GENERAL CO
- [Y] GB 1061390 A 19670308 - NITROCHEMIE GES MIT BESCHRAENK
- [A] FR 2523954 A1 19830930 - HERCULES INC [US]
- [A] DE 2027709 A1 19711209

Cited by  
EP1812362A4; AT525440A4; AT525440B1; EP4296253A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1342704 A2 20030910**; **EP 1342704 A3 20040211**; DE 10210515 A1 20030925

DOCDB simple family (application)  
**EP 03004707 A 20030304**; DE 10210515 A 20020309