

Title (en)

IGNITION MEANS FOR PROPELLANT POWDERS

Title (de)

ANZÜNDMITTEL FÜR TREIBLADUNGSPULVER

Title (fr)

MOYENS DE MISE A FEU POUR POUDRES POUR CHARGE PROPULSIVE

Publication

EP 1242338 A2 20020925 (DE)

Application

EP 00987340 A 20001204

Priority

- DE 19958361 A 19991203
- EP 0012169 W 20001204

Abstract (en)

[origin: US8147627B2] Ignition means for propellant powders include at least one oxidation means, at least one reduction means and at least one binder, and are free from primary explosives.

IPC 1-7

C06C 9/00; **C06B 45/14**; **F42B 5/196**; **F42B 5/16**

IPC 8 full level

C06B 45/14 (2006.01); **C06C 9/00** (2006.01)

CPC (source: EP US)

C06B 45/14 (2013.01 - EP US); **C06C 9/00** (2013.01 - EP US)

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)

WO 0140144 A2 20010607; **WO 0140144 A3 20020411**; AT E425131 T1 20090315; DE 10060320 A1 20010607; DE 50015593 D1 20090423; EP 1242338 A2 20020925; EP 1242338 B1 20090311; US 2003034103 A1 20030220; US 2007204941 A1 20070906; US 8147627 B2 20120403; ZA 200204385 B 20031029

DOCDB simple family (application)

EP 0012169 W 20001204; AT 00987340 T 20001204; DE 10060320 A 20001204; DE 50015593 T 20001204; EP 00987340 A 20001204; US 13088502 A 20020826; US 32884006 A 20060110; ZA 200204385 A 20020531