

Title (en)
Pourable propellant powder

Title (de)
Schüttbares Treibladungspulver

Title (fr)
Poudre propulsive pouvant être versée

Publication
EP 1616845 B1 20131030 (DE)

Application
EP 04405460 A 20040716

Priority
EP 04405460 A 20040716

Abstract (en)
[origin: EP1616845A1] Pourable propellant powder comprising nitrocellulose-based grains includes 0.1-2 wt.% bismuth as a decoppering additive. Independent claims are also included for: (1) producing a propellant powder as above by adding bismuth or a bismuth compound in an amount of 0.1-2 wt.% in a polishing process together with graphite so that the bismuth is incorporated into a surface layer of the grain; (2) producing a propellant powder as above by extruding green grains from a kneadable mass containing 0.1-2 wt.% bismuth and surface-treating the green grains to produce powder grains with a bismuth-containing matrix; (3) small-, medium- and large-caliber munitions with a lead-free projectile and a lead-free propellant as above.

IPC 8 full level
C06B 23/04 (2006.01)

CPC (source: EP)
C06B 23/04 (2013.01)

Cited by
EP1857429A1; US8353994B2

Designated contracting state (EPC)
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