

Title (en)  
Propellant based on phase-stabilized ammonium nitrate

Title (de)  
Festtreibstoff auf der Basis von phasenstabilisiertem Ammoniumnitrat

Title (fr)  
Propergol à base de nitrate d'ammonium nitrate à phase stabilisée

Publication  
**EP 0705808 B1 19971029 (DE)**

Application  
**EP 95112989 A 19950818**

Priority  
DE 4435523 A 19941005

Abstract (en)  
[origin: EP0705808A1] A solid propellant (I) for rocket motors or gas generators contains 35-80 wt. % ammonium nitrate (AN) with a mean particle size of 5-200 microns, phase-stabilised with CuO or ZnO (i.e. PSAN), 15-50 wt. % of a binder system contg. a binder polymer and an energy-rich plasticiser, and 0.2-5.0 wt. % of a combustion moderator (II) consisting of V/Mo oxides as an oxide mixt. or mixed oxide.

IPC 1-7  
**C06B 23/00**; **C06B 31/30**

IPC 8 full level  
**C06B 23/00** (2006.01); **C06B 31/30** (2006.01)

CPC (source: EP US)  
**C06B 23/007** (2013.01 - EP US); **C06B 31/30** (2013.01 - EP US)

Cited by  
CN103191748A; WO9842639A1

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DE ES FR GB NL

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**EP 0705808 A1 19960410**; **EP 0705808 B1 19971029**; DE 4435523 C1 19960605; DE 59500909 D1 19971204; ES 2110285 T3 19980201; NO 303983 B1 19981005; NO 953922 D0 19951003; NO 953922 L 19960409; US 5589661 A 19961231

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