

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 à phase stabilisée

Publication  
**EP 0705809 B1 19970702 (DE)**

Application  
**EP 95112990 A 19950818**

Priority  
DE 4435524 A 19941005

Abstract (en)  
[origin: EP0705809A1] 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, in pure form or phase-stabilised with NiO, KNO<sub>3</sub> or CsNO<sub>3</sub> (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  
EP1121335A4; US6505562B1; WO9842639A1

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