

Title (en)

PERCHLORATE-FREE PYROTECHNIC MIXTURE

Title (de)

PERCHLORATFREIE PYROTECHNISCHE MISCHUNG

Title (fr)

MÉLANGE PYROTECHNIQUE EXEMPT DE PERCHLORATE

Publication

EP 2646400 A2 20131009 (DE)

Application

EP 11787794 A 20111116

Priority

- DE 102010052628 A 20101129
- EP 2011005755 W 20111116

Abstract (en)

[origin: US2012132328A1] A powdery pyrotechnic mixture is proposed that comprises a binary or ternary inorganic oxidizing agent mixture composed of one or two metal oxides, a nitrate totaling 50.0% by weight to 85.0% by weight, an elementary inorganic fuel or a mixture of elementary inorganic fuels totaling 15.0% by weight to 40.0% by weight, a stabilized nitrocellulose or a nitrocellulose-based propellant powder from 0.0% by weight to 25.0% by weight, graphite from 0.0% by weight to 5.0% by weight as well as. Optionally, a further processing aid from 0.0% by weight to 5.0% by weight. The powdery pyrotechnic mixture excels in that it contains no chlorate-containing compound and/or perchlorate-containing compound as an oxidizing agent and no sulfur or a sulfur-containing compound as fuel. The proposed pyrotechnic mixture is used in pyrotechnic objects and ammunition for the production of a bang-effect and/or flash effect.

IPC 8 full level

C06B 33/14 (2006.01); **C06C 15/00** (2006.01)

CPC (source: EP US)

C06B 33/14 (2013.01 - EP US); **C06C 15/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2012072198A2

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