Title (en)

METHOD OF INCREASING THE BURN RATE, IGNITABILITY AND CHEMICAL STABILITY OF AN ENERGETIC FUEL, AND AN ENERGETIC FUEL

Title (de)

VERFAHREN ZUR VERBESSERUNG DER BRENNGESCHWINDIGKEIT, ENTZÜNDLICHKEIT UND CHEMISCHEN STABILITÄT EINES ENERGETISCHEN BRENNSTOFFES UND ENERGETISCHER BRENNSTOFF

Title (fr)

PROCÉDÉ D'AUGMENTATION DU TAUX DE COMBUSTION, DE L'INFLAMMABILITÉ ET DE LA STABILITÉ CHIMIQUE D'UN CARBURANT ÉNERGÉTIQUE ET CARBURANT ÉNERGÉTIQUE

Publication

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Application

EP 09709548 A 20090213

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Abstract (en)

[origin: WO2009102259A1] An energetic fuel comprising particles with a base of metal or semimetal selected among Al, Mg, B, Ti, Zr, Hf, Si, Be, Ca and alloys of two or more of the same and a coating applied to the base particles and containing an oxide, hydroxide, oxide hydroxide or carbonate of another, more noble metal than the base and which coating reacts exothermally with the base particle in ignition of the energetic fuel. The invention also relates to a method of improving the burn rate, ignitability and chemical stability of an energetic fuel based on particles of metal or semimetal by applying said coating to the particles.

IPC 8 full level

C06B 45/30 (2006.01); **C06B 33/00** (2006.01)

CPC (source: EP SE)

C06B 33/00 (2013.01 - EP); **C06B 45/30** (2013.01 - EP SE)

Citation (search report)

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