Title (en)

Use of an an additive in a material for a spectral decoy flare which burns the material

Title (de)

Verwendung eines Zusatzstoffes in einer Wirkmasse für ein beim Abbrand der Wirkmasse spektral strahlendes Scheinziel

Title (fr)

Utilisation d'un adjuvant dans une masse active pour une cible fictive à rayonnement spectral lors de la combustion de la masse active

Publication

EP 2698360 B1 20191204 (DE)

Application

EP 13004007 A 20130812

Priority

DE 102012016452 A 20120817

Abstract (en)

[origin: EP2698360A2] Active mass comprises an additive distributed in the active mass, carbon and hydrogen atoms-containing fuel and an oxygen atom-containing oxidizing agent for the fuel. The additive increases the ratio of the intensity of radiation emitted during the combustion of the active mass in the wavelength range of 3.7-5.1 mu m to an intensity of radiation emitted during the burning of the active mass in the wavelength range of 1.9-2.3 mu m. The amount of the oxidizing agent is dimensioned so that oxidizing agent is not sufficient for complete oxidation of the carbon. Active mass comprises an additive distributed in the active mass, carbon and hydrogen atoms-containing fuel and an oxygen atom-containing oxidizing agent for the fuel. The additive increases the ratio of the intensity of radiation emitted during the combustion of the active mass in the wavelength range of 3.7-5.1 mu m to an intensity of radiation emitted during the burning of the active mass in the wavelength range of 1.9-2.3 mu m. The amount of the oxidizing agent is dimensioned so that oxidizing agent is not sufficient for complete oxidation of the carbon. The additive is a catalyst catalyzing the redox reaction, which is present in the form of particles.

IPC 8 full level

C06B 23/00 (2006.01); **C06B 29/22** (2006.01); **C06C 15/00** (2006.01)

CPC (source: EP US)

C06B 23/007 (2013.01 - EP US); **C06B 29/22** (2013.01 - EP US); **C06C 15/00** (2013.01 - EP US)

Designated contracting state (EPC)

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DOCDB simple family (application)

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