Title (en)

Ignition device comprising an explosive composition for thermal ignition using a laser source

Title (de)

Zündvorrichting, die eine Sprengstoffzusammensetzung zur thermischer Zündung mittels einer Läserquelle enthält

Title (fr)

Dispositif d'amorçage comprenant une composition explosive pour allumage thermique par source laser

Publication

EP 1742009 A1 20070110 (FR)

Application

EP 06002905 A 20060214

Priority

FR 0507158 A 20050705

Abstract (en)

The hexanitrostilbene explosive composition (1) comprises metal (1 mass%) such as aluminum, tungsten or its alloy, copper, and magnesium or its alloy. The metal has a thermal diffusion of 9.10 -> 5>m 2>s -> 1>, and an average granulometry of lower than 1 mu m. The explosive is in the form of powder. An independent claim is included for an optical initiator.

IPC 8 full level

F42B 3/113 (2006.01); **C06B 33/08** (2006.01); **C06C 7/00** (2006.01)

CPC (source: EP US)

C06B 33/08 (2013.01 - EP US); **C06C 7/00** (2013.01 - EP US); **F42B 3/113** (2013.01 - EP US); **F42D 1/043** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1742009 A1 20070110; **EP 1742009 B1 20120118**; AT E542101 T1 20120215; CA 2542472 A1 20070105; CA 2542472 C 20130205; DE 06002905 T1 20070809; ES 2279741 T1 20070901; ES 2279741 T3 20120518; FR 2888234 A1 20070112; FR 2888234 B1 20080502; NO 20063102 L 20070108; NO 339580 B1 20170109; US 2007113941 A1 20070524; US 7784403 B2 20100831

DOCDB simple family (application)

EP 06002905 A 20060214; AT 06002905 T 20060214; CA 2542472 A 20060407; DE 06002905 T 20060214; ES 06002905 T 20060214; FR 0507158 A 20050705; NO 20063102 A 20060704; US 48207506 A 20060705