

Title (en)
Low energy optical detonator

Title (de)
Optischer Zünder mit niedriger Energie

Title (fr)
Détonateur optique basse énergie

Publication
EP 1306643 B1 20100303 (FR)

Application
EP 02292357 A 20020925

Priority
FR 0113911 A 20011026

Abstract (en)
[origin: EP1306643A1] An optical detonator comprises a secondary explosive (8) distributed in a cavity (7), a fibre optic (5) connected by one extremity to a laser source and an optical interface (11) at the other fibre extremity to transmit the laser ray towards the secondary explosive. A layer of an ignition powder (16) is disposed between the explosive and the interface.

IPC 8 full level
F42B 3/113 (2006.01)

CPC (source: EP US)
F42B 3/113 (2013.01 - EP US)

Cited by
EP2390617A1; FR3005500A1; FR2943128A1; CN102422120A; US9970737B2; EP1742009A1; FR2888234A1; FR2960541A1; NO339580B1; WO2014180860A1; WO2010103231A1; US7810430B2; EP2386819A1; EP2554529A1; US8915188B2; US7784403B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1306643 A1 20030502; EP 1306643 B1 20100303; DE 02292357 T1 20040415; DE 60235518 D1 20100415; FR 2831659 A1 20030502; FR 2831659 B1 20040409; US 2006096484 A1 20060511; US 7051655 B1 20060530

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