

Title (en)

LASER BEAM-DETONABLE BLASTING CAP

Publication

EP 0289184 B1 19911227 (EN)

Application

EP 88303457 A 19880418

Priority

- JP 10674487 A 19870430
- JP 10674587 A 19870430

Abstract (en)

[origin: EP0289184A1] A laser beam-detonable blasting cap containing secondary explosives (4, 5) charged therein in the upper and lower portions, wherein the explosive charged in the upper portion contains a laser beam-absorbing black material and is contacted with an optical fiber (8) at the top, the loading density of the explosive (5) charged in the lower portion is higher than that of the explosive (4) charged in the higher portion, and only the side of the explosive (4) charged in the upper portion is surrounded with a restraining wall (6), can be easily and surely detonated by a laser beam having a low peak output power generated by means of a pulse oscillation system without using Q-switching or a continuous oscillation system.

IPC 1-7

F42B 3/10

IPC 8 full level

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

CPC (source: EP)

C06C 7/00 (2013.01); **F42B 3/113** (2013.01)

Cited by

WO2008113108A1; CN109269366A; FR2659137A1; EP2942599A3; RU2761916C1; FR2914056A1; US7051655B1; DE19546341A1; DE19546341C2; CN115784825A; US6470801B1; JP2010521643A; AU2008229625B2; EA015380B1; EP2142877A4; EP3359911A4; WO9807600A1; WO0011428A1; US8272325B2

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 0289184 A1 19881102; EP 0289184 B1 19911227; DE 3867117 D1 19920206

DOCDB simple family (application)

EP 88303457 A 19880418; DE 3867117 T 19880418