

Title (en)

Laser beam-detonable blasting cap.

Title (de)

Mittels eines Laserstrahles zündbare Sprengkapsel.

Title (fr)

Détonateur activable par le faisceau d'un laser.

Publication

**EP 0289184 A1 19881102 (EN)**

Application

**EP 88303457 A 19880418**

Priority

- JP 10674487 A 19870430
- JP 10674587 A 19870430

Abstract (en)

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)

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Citation (search report)

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