

Title (en)

Secured detonator

Title (de)

Gesicherter Zünder

Title (fr)

Détonateur sécurisé

Publication

EP 2390617 B1 20130313 (FR)

Application

EP 11290241 A 20110525

Priority

FR 1002316 A 20100531

Abstract (en)

[origin: EP2390617A1] The detonator (1) has a plate (6) projected by an igniter stage that comprises a pyrotechnic composition and/or a primary explosive (4) e.g. zirconium-potassium perchlorate composition, on a relay stage having a secondary explosive (7). The plate is made of a material e.g. tin based alloy, which is fusible at a temperature lower than a collapse temperature of the igniter stage. The alloy is chosen from a group comprising tin silver bismuth alloy, tin bismuth silver alloy, tin zinc alloy, and tin zinc bismuth alloy. The pyrotechnic composition is in contact with an end of an optical fiber (3).

IPC 8 full level

F42B 3/113 (2006.01); **F42B 3/12** (2006.01)

CPC (source: EP)

F42B 3/113 (2013.01); **F42B 3/124** (2013.01)

Cited by

CN114353600A

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EP 2390617 A1 201111130; EP 2390617 B1 20130313; FR 2960541 A1 201111202; FR 2960541 B1 20120504

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