

Title (en)
Blasting device for precision blasting

Publication
EP 0142717 A1 19850529 (DE)

Application
EP 84112537 A 19841017

Priority
• DE 3341459 A 19831117
• DE 3436086 A 19841002

Abstract (en)
1. Blasting device for non-recurrent use for precision blasting, on which an explosive (5) is able to be applied, characterized in that the blasting device consists of a hollow body (1 ; 8) which is closed on all sides, and which is provided to receive a non-combustible fluid as tamping substance (2), that the hollow body (1) is provided with a contact surface (3) serving for the application of the blasting device on a surface of the object which is to be blasted, that the hollow body (1) partially surrounds the explosive (5) externally, whereby for this within the extent of the contact surface (3 ; 10) and partially delimited thereby at least one associated depression (4, 4') which is open toward the exterior is provided in the wall of the hollow body to receive the explosive (5), and that the hollow body (1) is thin-walled but at the same time inherently stable such that there is a defined association of the explosive (5) to the blasting device and to the object which is to be blasted.

Abstract (de)
Sprengwerkzeug für Präzisionssprengungen mit einem Verdämmungskörper (1) mit einer Anlagefläche (3) und wenigstens einer in der Anlagefläche (3) liegenden, von dieser wenigstens teilweise begrenzten offenen Vertiefung (4) zur Aufnahme von Sprengstoff (5).

IPC 1-7
F42D 5/04; **F42D 3/00**; **F42B 3/00**

IPC 8 full level
F42B 3/00 (2006.01); **F42B 3/093** (2006.01); **F42D 3/00** (2006.01); **F42D 5/04** (2006.01); **F42D 5/045** (2006.01)

CPC (source: EP)
F42B 3/093 (2013.01); **F42D 3/00** (2013.01); **F42D 5/045** (2013.01)

Citation (search report)
• [Y] US 4301707 A 19811124 - SCHIMMEL MORRY L, et al
• [Y] US 232640 A 18800928
• [Y] GB 655921 A 19510808 - EDGAR WILLIAM JOHN PHILLIPS
• [Y] US 2797892 A 19570702 - RYAN MARTIN A
• [A] EP 0091350 A1 19831012 - COMMISSARIAT ENERGIE ATOMIQUE [FR]

Cited by
US11204227B2; KR101065019B1; CN114199080A; EP0916786A4; US2013319277A1; EP2340201A4; CN107884815A; CN108692625A; WO2010039119A1; WO2007099359A1; US6279477B1; US6431074B2; EP0276918B1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0142717 A1 19850529; **EP 0142717 B1 19880309**; DE 3469801 D1 19880414

DOCDB simple family (application)
EP 84112537 A 19841017; DE 3469801 T 19841017