

Title (en)

Devices for actuating explosive charges in wellbores, and methods of perforating boreholes.

Title (de)

Vorrichtung zum Betätigen von explosiven Ladungen in einem Bohrloch und Bohrlochdurchlöcherungsverfahren.

Title (fr)

Dispositif pour actionner des charges explosives dans un puits et méthode de perforation d'un puits.

Publication

EP 0155128 A2 19850918 (EN)

Application

EP 85301428 A 19850301

Priority

US 58734584 A 19840308

Abstract (en)

A device (10) for actuating an explosive charge downhole in a wellbore includes a combustive reaction initiator (30, 66, 100) actuated in response to a first pressure condition in a portion of the wellbore and an explosive charge actuator. A time delay device (136) is provided wherein a combustive reaction is initiated by the initiator and continues for a time delay period providing sufficient time for an operator to alter the first pressure condition to a second pressure condition at the time of explosive actuation. The delay device is operative at the end of the time delay period after initiation to actuate the explosive charge.

IPC 1-7

E21B 43/116; F42D 1/04

IPC 8 full level

E21B 23/06 (2006.01); **E21B 43/116** (2006.01); **E21B 43/1185** (2006.01); **F42D 1/04** (2006.01)

CPC (source: EP)

E21B 43/116 (2013.01); **E21B 43/11852** (2013.01); **F42D 1/04** (2013.01)

Cited by

EP0288239A3; EP0488519A1; CN109072685A; SG119206A1; GB2396175A; GB2396175B; EP0416915A3; JPH03119290A; EP0721051A3; EP0415770A3; GB2194316A; GB2194316B; US11346184B2; US9759048B2; US8347963B2; US7243725B2; US7533722B2

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 0155128 A2 19850918; **EP 0155128 A3 19860416**; **EP 0155128 B1 19880803**; CA 1224139 A 19870714; DE 3564145 D1 19880908; JP H0472957 B2 19921119; JP S60203796 A 19851015

DOCDB simple family (application)

EP 85301428 A 19850301; CA 475504 A 19850228; DE 3564145 T 19850301; JP 4731985 A 19850308