

Title (en)
Device and method for explosive drilling

Title (de)
Vorrichtung und Verfahren zum Explosionsbohren

Title (fr)
Dispositif et procédé destinés au forage par explosif

Publication
EP 1990503 B1 20111005 (DE)

Application
EP 07009413 A 20070510

Priority
EP 07009413 A 20070510

Abstract (en)
[origin: EP1990503A1] Device for explosive drilling comprises a container (32) filled with liquid oxygen, a container (34) filled with a fuel component, a connecting unit (30) for mixing the liquid oxygen with the fuel component forming explosive capsules and a feeding unit for feeding the capsules to a launching device (20). An independent claim is also included for a method for explosive drilling using the above device. Preferred Features: Capsules with fuel and/or ignition elements for forming the explosive capsules are fed to the connecting unit. The device has a tubular drilling body (12) with a lower end region for the mouth of the launching device.

IPC 8 full level
E21B 7/00 (2006.01)

CPC (source: EP US)
E21B 7/007 (2013.01 - EP US)

Citation (examination)

- US 4030557 A 19770621 - ALVIS ROBERT L, et al
- US 3022729 A 19620227 - ROBINSON JR LEON HAYNSWORTH
- US 1585664 A 19260525 - GILMAN GEORGE H

Cited by
EP2222931A4; US8342261B2; WO2009083644A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
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EP 07009413 A 20070510; AT 07009413 T 20070510; CA 2630850 A 20080507; ES 07009413 T 20070510; PL 07009413 T 20070510; US 14975308 A 20080507