

Title (en)

CARTRIDGE AND CHARGING SYSTEM INCORPORATING SAME

Title (de)

KARTUSCHE UND SYSTEM ZUM LADEN DIESER KARTUSCHEN

Title (fr)

CARTOUCHE ET SYST ME DE CHARGEMENT COMPRENANT CETTE CARTOUCHE

Publication

EP 1181496 A4 20021113 (EN)

Application

EP 00912261 A 20000330

Priority

- AU 0000265 W 20000330
- US 12746399 P 19990331
- US 17318299 P 19991227
- US 17506300 P 20000107

Abstract (en)

[origin: WO0060301A1] Cartridge (10) includes first compartment (12) for holding a volume of energy absorbing stemming material (14) and adjacent second compartment (16) for holding a volume of energetic explosive or propellant material (18). Initiator (28) is disposed in compartment (16). Dividing wall (22) separates compartments (12, 16) and may be conical in shape so as to deform and seal the borehole upon detonation of material (18). Cartridge (10) may be integrally formed or assembled from two separate containers coupled together. Compartment (12) can be made from thin-walled material including one or more slits or lines of weakness to facilitate deformation or bursting. Cartridge (10) can be secured to a stemming bar for placement in the borehole. Charging systems and methods of charging a hole formed in hard material are also described and claimed.

IPC 1-7

F42B 3/02; **F42B 3/00**; **F42D 1/16**; **F42D 1/20**; **F42B 3/26**; **F42D 1/08**; **F42D 1/24**

IPC 8 full level

F42B 3/02 (2006.01); **F42B 3/087** (2006.01); **F42B 3/22** (2006.01); **F42D 1/20** (2006.01); **F42D 1/22** (2006.01); **F42D 3/04** (2006.01)

CPC (source: EP KR)

F42B 3/02 (2013.01 - EP); **F42B 3/087** (2013.01 - EP); **F42B 3/22** (2013.01 - KR); **F42D 1/20** (2013.01 - EP); **F42D 1/22** (2013.01 - EP)

Citation (search report)

- [A] GB 859861 A 19610125 - J C STATON & CO LTD
- [A] DE 477885 C 19290621 - HANS LANY, et al
- See references of WO 0060301A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 0060301 A1 20001012; AP 2001002313 A0 20011231; AR 025833 A1 20021218; AU 3409200 A 20001023; CA 2373760 A1 20001012; CN 1350632 A 20020522; EA 200101029 A1 20020425; EP 1181496 A1 20020227; EP 1181496 A4 20021113; JP 2002541424 A 20021203; KR 20020016767 A 20020306

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