

Title (en)

METHOD AND APPARATUS FOR FRACTURING ROCK

Publication

**EP 0108519 A3 19851204 (EN)**

Application

**EP 83306141 A 19831011**

Priority

US 43377282 A 19821012

Abstract (en)

[origin: EP0108519A2] A method of fracturing rock includes the steps of drilling a hole into the rock required to be fractured, modifying the shape of the hole, and rapidly pressurizing the modified hole to initiate and propagate cracking to a free surface of the rock. Apparatus for accomplishing the method includes two variations of apparatus for allowing very rapid injection of a pressurized liquid into a hole.

IPC 1-7

**E21C 37/12**

IPC 8 full level

**E21C 37/06** (2006.01); **E21B 43/26** (2006.01); **E21C 37/12** (2006.01)

CPC (source: EP)

**E21C 37/12** (2013.01)

Citation (search report)

- [X] US 3507540 A 19700421 - SILVERMAN DANIEL
- [Y] US 4047580 A 19770913 - YAHIRO TERUO, et al
- [A] US 4050529 A 19770927 - TAGIROV KURBAN MAGOMEDOVICH, et al
- [A] GB 1033062 A 19660615 - HEDWIG BEUKENBERG, et al
- [A] GB 897879 A 19620530 - HUGH WOOD AND COMPANY LTD
- [XP] US 4394051 A 19830719 - OUDENHOVEN MARTIN S

Cited by

US6145933A; AU720498B2; CN116255124A; US6123394A; US6148730A; US6339992B1; US6435096B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0108519 A2 19840516**; **EP 0108519 A3 19851204**; AU 1997583 A 19840419; JP S59130999 A 19840727; NO 833683 L 19840413; ZA 837482 B 19850227

DOCDB simple family (application)

**EP 83306141 A 19831011**; AU 1997583 A 19831007; JP 19060183 A 19831012; NO 833683 A 19831010; ZA 837482 A 19831006