

Title (en)

METHOD FOR SETTING ANCHORING BOLTS IN MINES

Title (de)

VERFAHREN ZUR VERANKERUNG VON GEBIRGSANKERN IM UNTERTAGEBERGBAU

Title (fr)

EQUIPEMENT UTILISE DANS LES MINES ET PROCEDE D'UTILISATION

Publication

EP 1283942 A1 20030219 (EN)

Application

EP 01931871 A 20010517

Priority

- GB 0102215 W 20010517
- US 20510900 P 20000518

Abstract (en)

[origin: WO0188339A1] A method for installing a roof bolt in a mine, which method comprises: (i) drilling a hole in the roof of a mine; (ii) inserting a resin cartridge having a skin into the hole; (iii) inserting a bolt into the hole and which comprises employing in the hole a tool having one or more sharp elements and wherein the insertion of the bolt causes the tool to puncture the cartridge and prevent the skin from expanding against the wall of the hole.

IPC 1-7

E21D 20/02; **E21D 21/00**

IPC 8 full level

E21D 20/02 (2006.01); **E21D 21/00** (2006.01)

CPC (source: EP)

E21D 20/025 (2013.01); **E21D 20/026** (2013.01); **E21D 21/0093** (2013.01)

Citation (search report)

See references of WO 0188339A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0188339 A1 20011122; **WO 0188339 A8 20020228**; AU 5856201 A 20011126; CA 2409071 A1 20011122; EP 1283942 A1 20030219; NZ 522585 A 20040730; ZA 200209323 B 20040225

DOCDB simple family (application)

GB 0102215 W 20010517; AU 5856201 A 20010517; CA 2409071 A 20010517; EP 01931871 A 20010517; NZ 52258501 A 20010517; ZA 200209323 A 20021115