

Title (en)

Excavating tool for rock, minerals etc

Title (de)

Abtragwerkzeug zum Lösen von Gestein, Mineralien und dgl.

Title (fr)

Machine d'excavation de roches, de minéraux, etc...

Publication

EP 1291490 A2 20030312 (DE)

Application

EP 02018641 A 20020820

Priority

CH 17032001 A 20010906

Abstract (en)

A cutting tool is positioned adjacent to the rock, with the rotatable hub of the tool facing the clear surface of the rock. The hub is then urged along a path in transverse relationship to its axis of rotation, causing the cutting elements of the tool to undercut adjacent portions of the rock. An independent claim is also included for a rock excavator.

Abstract (de)

Abtragwerkzeuge zum fräsenden schichtweisen Lösen von Gestein, Mineralien und dgl. gekennzeichnet durch gegengewuchtete Exzenterschlagüberlagerung und Abbauverfahren gekennzeichnet durch vorab selektives Abtragen von Hauptgestein. <IMAGE> <IMAGE> <IMAGE>

IPC 1-7

E21D 9/10; **E21C 25/18**; **E21D 9/00**; **E21C 35/00**

IPC 8 full level

E02F 5/08 (2006.01); **E21C 27/02** (2006.01)

CPC (source: EP US)

E21C 27/02 (2013.01 - EP US)

Citation (applicant)

EP 0115139 A2 19840808 - WESTERN ELECTRIC CO [US]

Cited by

CN113246314A; US8469458B2; WO2009036781A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1291490 A2 20030312; **EP 1291490 A3 20030521**; CA 2401463 A1 20030306; US 2003041482 A1 20030306; ZA 200207131 B 20040120

DOCDB simple family (application)

EP 02018641 A 20020820; CA 2401463 A 20020905; US 23565202 A 20020906; ZA 200207131 A 20020905