

Title (en)

CUTTING CONTROL PROCESS AND DEVICE FOR DETECTING THE DEPTH OF CUT OF KIRVING TOOLS

Title (de)

VERFAHREN ZUM STEUERN DES SCHNEIDPROZESSES UND EINRICHTUNG ZUR ERFASSUNG DER EINBRUCHSTIEFE VON SCHRÄMWERKZEUGEN

Title (fr)

PROCEDE POUR COMMANDER LE PROCESSUS DE COUPE ET DISPOSITIF POUR DETECTER LA PROFONDEUR DE PENETRATION D'OUTILS DE HAVAGE

Publication

EP 0912816 A1 19990506 (DE)

Application

EP 97929020 A 19970709

Priority

- AT 9700159 W 19970709
- AT 129696 A 19960718

Abstract (en)

[origin: WO9803770A1] In a cutting control process for kirving tools (6) on advance working machines (2), the depth of cut of the kirving tool (6) is detected and the measurement data for the depth of cut are linked to a control unit in which the geometry of the winning tool is stored and measurement data for load-bearing capacity are taken into account. To carry out the process a device is provided for detecting the depth of cut of kirving tools (6) of advance working machines (2) into the rock face, said device comprising in the forward region of the advance working machine (2) at least one proximity sensor (7) directed to the rock face and connected to an evaluation unit.

IPC 1-7

E21C 35/24; **E21C 27/24**; **E21D 9/10**

IPC 8 full level

E21C 27/24 (2006.01); **E21C 35/24** (2006.01); **E21D 9/10** (2006.01)

CPC (source: EP)

E21C 27/24 (2013.01); **E21C 35/24** (2013.01); **E21D 9/108** (2013.01)

Citation (search report)

See references of WO 9803770A1

Cited by

CN110094210A

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI

DOCDB simple family (publication)

WO 9803770 A1 19980129; AT 406892 B 20001025; AT A129696 A 20000215; AT E210782 T1 20011215; AU 3328697 A 19980210; AU 722290 B2 20000727; DE 59705784 D1 20020124; EP 0912816 A1 19990506; EP 0912816 B1 20011212; ES 2134181 T1 19991001

DOCDB simple family (application)

AT 9700159 W 19970709; AT 129696 A 19960718; AT 97929020 T 19970709; AU 3328697 A 19970709; DE 59705784 T 19970709; EP 97929020 A 19970709; ES 97929020 T 19970709