

Title (en)
METHOD FOR CONTROLLING A CUTTING EXTRACTION MACHINE

Title (de)
VERFAHREN ZUR STEUERUNG EINER SCHNEIDENDEN GEWINNUNGSMASCHINE

Title (fr)
PROCÉDÉ DE COMMANDE D'UNE MACHINE D'ABATTAGE COUPANT

Publication
EP 2307669 B1 20170222 (DE)

Application
EP 08785154 A 20080728

Priority
EP 2008006204 W 20080728

Abstract (en)
[origin: WO2010012286A1] The invention relates to a method for controlling a cutting extraction machine that can be displaced along a coal face in longwall mining, wherein the radiated heat of the working face (4) newly exposed by the extraction machine is observed by means of an infrared camera (10), and control data for the subsequent extraction travel is generated using said observation. In order to make said method error-free and better suited for practical application, the invention proposes that the observation of the radiated heat is done perpendicular to the working face (4) at a minimum distance from the cutting tools of the extraction machine, and that a guiding layer package (X) having a characteristic sequence of boundaries between layers of differing heat conductivity is determined, and that the course of said guide layer package (X) relative to the boundaries of the face is determined at the end of each extraction travel using the heat images, and that the control data for the next extraction travel of the extraction machine is generated using said course of the guide layer package.

IPC 8 full level
E21C 35/08 (2006.01)

CPC (source: EP US)
E21C 27/34 (2013.01 - EP US); **E21C 35/08** (2013.01 - EP US); **E21C 41/18** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2010012286 A1 20100204; AU 2008339514 A1 20100211; AU 2008339514 B2 20130523; CA 2681710 A1 20100128; CN 101828004 A 20100908; CN 101828004 B 20130327; EA 014851 B1 20110228; EA 200970716 A1 20100226; EP 2307669 A1 20110413; EP 2307669 B1 20170222; HK 1145530 A1 20110421; MX 2010002257 A 20100503; PL 2307669 T3 20171031; SI 2307669 T1 20170731; US 2010259091 A1 20101014; US 8469455 B2 20130625

DOCDB simple family (application)
EP 2008006204 W 20080728; AU 2008339514 A 20080728; CA 2681710 A 20080728; CN 200880003299 A 20080728; EA 200970716 A 20080728; EP 08785154 A 20080728; HK 10112041 A 20101223; MX 2010002257 A 20080728; PL 08785154 T 20080728; SI 200831811 A 20080728; US 44918708 A 20080728