

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

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Application

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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.

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