

Title (en)
METHOD FOR CONTROLLING LONGWALL MINING OPERATIONS

Title (de)
VERFAHREN ZUM STEUERN VON STREBBETRIEBEN

Title (fr)
PROCÉDÉ POUR ASSURER LA COMMANDE D'INSTALLATIONS D'EXPLOITATION PAR TAILLE

Publication
EP 2247823 B1 20140625 (DE)

Application
EP 08715851 A 20080219

Priority
EP 2008001262 W 20080219

Abstract (en)
[origin: WO2009103303A1] Disclosed is a method for controlling longwall coal mining operations comprising a face conveyor (20), at least one extraction machine (22), and a hydraulic shield support. In said method, the inclination of the shield components relative to the horizontal line in the direction of advance is determined by means of inclination sensors (17) mounted on at least three of the four main components of each shield support frame (10), such as the floor skid (11), the gob shield (14), the supporting connection rods (16), and in the gob zone of the top canopy (13), and the height (h1) of the shield support frame (10) perpendicular to the bed at the forward end of the top canopy (13) is calculated as a measure of the face opening (30) from the measured data in a computer unit by comparing said measured data with the basic data that is stored in the computer unit and defines the geometrical orientation of the components and the movement thereof during the advance.

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