

Title (en)  
METHOD FOR AUTOMATICALLY CREATING A DEFINED FACE OPENING IN LONGWALL COAL MINING OPERATIONS

Title (de)  
VERFAHREN ZU EINER AUTOMATISCHEN HERSTELLUNG EINER DEFINIERTEN STREBÖFFNUNG BEI STREBBETRIEBEN IM  
UNTERTÄGIGEN STEINKOHLENBERGBAU

Title (fr)  
PROCÉDÉ POUR PRATIQUER DE MANIÈRE AUTOMATIQUE UNE OUVERTURE DÉFINIE DE TAILLE DANS DES SYSTÈMES DE VEINES DE  
MINES DE HOUILLE SOUTERRAINES

Publication  
**EP 2247824 B1 20140702 (DE)**

Application  
**EP 08707765 A 20080219**

Priority  
EP 2008001266 W 20080219

Abstract (en)  
[origin: WO2009103307A1] Disclosed is a method for automatically creating a defined face opening in 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 is determined by means of inclination sensors (17) mounted on at least three of the four main components of the shield support frame (10), the shield height (31) of the shield support frame (10) perpendicular to the bed is calculated in a computer unit, and the cutting height (32) of the extraction machine (22) is detected as the face opening, the cutting height (32) of the extraction machine (22) being adjusted to the shield height (31) of the shield support frame (10) by means of a locally synchronous evaluation.

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**E21D 23/0034** (2013.01 - EP US); **E21D 23/0043** (2013.01 - EP US); **E21D 23/12** (2013.01 - EP US)

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