

Title (en)

METHOD FOR AUTOMATICALLY CREATING A DEFINED FACE OPENING IN PLOW OPERATIONS IN COAL MINING

Title (de)

VERFAHREN ZUR AUTOMATISCHEN HERSTELLUNG EINER DEFINIERTEN STREBÖFFNUNG IN HOBELBETRIEBEN DES STEINKOHLENBERGBAUS

Title (fr)

PROCEDE POUR PRATIQUER DE MANIERE AUTOMATIQUE UNE OUVERTURE DEFINIE DE TAILLE DANS DES SYSTEMES DE VEINES DE MINES DE HOUILLE

Publication

EP 2247825 B1 20141119 (DE)

Application

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Priority

EP 2008001268 W 20080219

Abstract (en)

[origin: WO2009103309A1] Disclosed is a method for automatically creating a defined face opening in longwall coal mining operations comprising a face conveyor (20), at least one plow (22) that is guided on the face conveyor (20) as an extraction machine, 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 each shield support frame (10), the shield height of the shield support frame (10) perpendicular to the bed is calculated in a computer unit, the determined shield height is adjusted to the cutting height of the plow (22), and a vertical adjustment of the plow (22) is initiated in order to correct identified differences, said vertical adjustment to be performed by means of a boom controller (26) that is arranged between the shield support frame (10) and the face conveyor (20).

IPC 8 full level

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