

Title (en)

-

Title (de)

VERFAHREN ZUR EINSTELLUNG EINER AUTOMATISCHEN NIVEAUSTEUERUNG DES HOBELS IN HOBELBETRIEBEN DES STEINKOHLENBERGBAUS

Title (fr)

-

Publication

**EP 2366059 A1 20110921 (DE)**

Application

**EP 09802108 A 20091211**

Priority

- EP 2009008863 W 20091211
- DE 102008062381 A 20081217

Abstract (en)

[origin: WO2010075947A1] The invention relates to a method for adjusting an automatic level control of the plane in longwall operations, wherein the plane can be adjusted by means of a boom control into a climbing motion, dropping motion, or neutral motion, wherein the cutting depth (21) and the control angle (20) derived as the differential angle between the slope of the face end cap (11) of the shield support frame (10) and the slope of the longwall transport (16) in the working face direction are captured and the longwall height change per planing stroke is calculated therefrom, such that each longwall position of the longwall conveyor (16) is associated with a longwall height as a planning height, and wherein the actual height of the longwall is calculated on the basis of the values captured by the slope sensors (15) mounted on the shield support frame (10) whenever each longwall position is reached by a shield support frame (10) of the shield support following after the plane (17), and is compared to the stored planned height, and wherein a height differential value (28) between the planned height and the actual height determined for each longwall position is taken into consideration in subsequent planing strokes by the calculating unit in the sense of a self-learning effect when the control angle (20) to be set for the plane (17) for achieving a planned height is prescribed.

IPC 8 full level

**E21D 23/03** (2006.01); **E21C 35/24** (2006.01)

CPC (source: EP US)

**E21C 35/125** (2013.01 - EP US); **E21C 35/24** (2013.01 - EP US); **E21D 23/03** (2013.01 - EP US)

Citation (search report)

See references of WO 2010075947A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**WO 2010075947 A1 20100708**; **WO 2010075947 A9 20101216**; CN 102257243 A 20111123; CN 102257243 B 20131106; EP 2366059 A1 20110921; EP 2366059 B1 20130306; PL 2366059 T3 20131031; RU 2011123380 A 20130127; RU 2487995 C2 20130720; UA 98900 C2 20120625; US 2011248548 A1 20111013; US 8562077 B2 20131022

DOCDB simple family (application)

**EP 2009008863 W 20091211**; CN 200980151875 A 20091211; EP 09802108 A 20091211; PL 09802108 T 20091211; RU 2011123380 A 20091211; UA A201107496 A 20091211; US 200913140012 A 20091211