

Title (en)

Device and method for longwall mining installation course determination

Title (de)

Vorrichtung und Verfahren für die Verlaufsbestimmung eines Strebausbaus

Title (fr)

Dispositif et procédé de détermination de veine d'installation d'exploitation minière par longue taille

Publication

EP 2905422 A1 20150812 (EN)

Application

EP 14154380 A 20140207

Priority

EP 14154380 A 20140207

Abstract (en)

The present disclosure relates to a device and a method for measuring the course of a longwall mining installation (1) extending along a longwall face (2). A movable course measuring device (30) comprises a first segment (40) extending along a first axis (B), a second segment (42) extending along a second axis (C). The second segment (42) may be movably connected to the first segment (40). The course measuring device (30) may further comprise a course measuring unit (46) for measuring a spacial relationship between the first axis (B) and the second axis (C). Based on measurements of the movable course measuring device (30), it may be possible to determine a polygonal course of the longwall mining installation along the longwall face (2).

IPC 8 full level

E21C 27/02 (2006.01); **E21C 35/08** (2006.01); **E21C 35/12** (2006.01)

CPC (source: EP US)

E21C 27/02 (2013.01 - EP US); **E21C 35/06** (2013.01 - US); **E21C 35/08** (2013.01 - EP US); **E21C 35/12** (2013.01 - EP US); **E21C 35/24** (2013.01 - US); **E21F 13/06** (2013.01 - US)

Citation (applicant)

EP 2446207 A2 20120502 - BUCYRUS EUROPE GMBH [DE]

Citation (search report)

- [A] WO 2010150196 A2 20101229 - BUCYRUS EUROPE GMBH [DE], et al
- [A] GB 2068436 A 19810812 - COAL INDUSTRY PATENTS LTD

Cited by

CN112066936A

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2905422 A1 20150812; AU 2015215241 B2 20160908; CN 105940187 A 20160914; CN 105940187 B 20171117; US 2017226853 A1 20170810; WO 2015117725 A1 20150813

DOCDB simple family (application)

EP 14154380 A 20140207; AU 2015215241 A 20150115; CN 201580006816 A 20150115; EP 2015000067 W 20150115; US 201515116052 A 20150115