

Title (en)

Mining machine roof bolting rig

Title (de)

Bergbaumaschine mit Einrichtung zum Ankern des Hangenden

Title (fr)

Machine d'exploitation minière avec boulonnage de toit

Publication

EP 2821591 A1 20150107 (EN)

Application

EP 13175089 A 20130704

Priority

EP 13175089 A 20130704

Abstract (en)

A mining machine roof bolting rig (118) in which a drill or bolt head (408) is mountable at a main frame (101) of a mining machine via a first and second rig base frame (300, 301). A link arm (403) extends between the second base frame (301) and a carrier support (404) that mounts the drill or bolt head (408) via a conventional carrier arrangement. Pivot mountings between the first and second frames and the link arms (403) allow both forward and rearward and lateral sideways movement of the drill or bolt head (408) to achieve a plurality of different bolting or drilling positions above the mining machine (100).

IPC 8 full level

E21C 27/24 (2006.01); **E21D 20/00** (2006.01)

CPC (source: EP RU)

E21C 27/00 (2013.01 - RU); **E21C 27/24** (2013.01 - EP); **E21D 9/00** (2013.01 - RU); **E21D 20/00** (2013.01 - RU); **E21D 20/003** (2013.01 - EP)

Citation (search report)

- [A] DE 3108877 C2 19831013
- [A] US 2003111892 A1 20030619 - NEILSON BRAD [AU], et al
- [A] US 5016942 A 19910521 - SPROSS ERHARD [CH], et al
- [A] DE 2424359 A1 19751204 - GEWERK EISENHUETTE WESTFALIA

Cited by

RU197766U1; CN106194002A; CN113756713A

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 2821591 A1 20150107; **EP 2821591 B1 20150916**; CN 204283458 U 20150422; RU 2016103381 A 20170809; RU 2643053 C2 20180130; WO 2015000712 A2 20150108; WO 2015000712 A3 20151001

DOCDB simple family (application)

EP 13175089 A 20130704; CN 201420369221 U 20140704; EP 2014062917 W 20140619; RU 2016103381 A 20140619